

4" Accent Luminaires

A4

MR16, PAR16, PAR20
Non-IC Rated
Low or Line Voltage

APPLICATIONS:

The Architektür A4 provides a 4" specification grade, adjustable accent luminaire for a wide variety of commercial and high-end residential projects. Suitable for new construction where insulation is not installed within 3" of the fixture. The A4 is ideal for applications that require an uncluttered ceiling and dramatic illumination of featured items. Specify the A4 commercially in office, retail, and hospitality spaces, and residentially in bedrooms, living rooms, foyers, and hallways.

HOUSING:

Tool-less, top accessible 20 gauge powder painted steel housing in matte black. 18 gauge galvanized steel plaster flange.

OPTICS/REFLECTOR:

Stainless steel trim retention torsion springs standard. Media holder (included with housing) accepts up to 2 media (MR16). Clear tempered glass lens provided with housing (MR16). Trim flanges are made of diecast aluminum standard, but are available with a self-flange option (ST). Reflectors are Alzak which will not yellow, crack, or warp. All trims feature translating center beam optics, 45° vertical aiming (excluding FC and AC trims) and 362° rotational aiming. Hot aiming (with trim in place) standard for all trims. Both vertical and horizontal adjustments can be locked in place without tools.

LAMP/SOCKET:

MR16 Low Voltage bi-pin socket with teflon leads. PAR16/PAR20/R20 nickel plated medium base socket. Thermal protector prevents fixture from overheating when improperly installed or over-lamped. Accommodates 20-75W MR16, 75W PAR16, and 50W PAR20 or R20 lamp. Lamps furnished by others.

TRANSFORMER: (MR16 only)

Electronic enclosed transformer. 75VA, 11.5V secondary. Transformer easily serviceable from above or below ceiling. Transformer is compatible with all incandescent two- and three-wire line voltage, low voltage magnetic, low voltage electronic, and low voltage reverse phase dimmers.

INSTALLATION:

Universal adjustable mounting brackets accommodate 1 1/2" or 3/4" lathing channel or 1/2" EMT (by others), or Prescolite 24" bar hangers (B24 or B6).

J-BOX:

Prewired 18 gauge galvanized steel junction box with snap-on cover. J-box is accessible from above or below ceiling. Rated for through wiring (4 in/4 out, 90° C).

LABELS:

UL listed for all common ceiling types. Insulation, if present, must be kept 3" away from housing. UL listed for damp locations and through wiring. UL listed for wet locations when used with 4W1, or 4L1 trims. CSA certified. Thermally protected.

DATE: _____ TYPE: _____

FIRM NAME: _____

PROJECT: _____



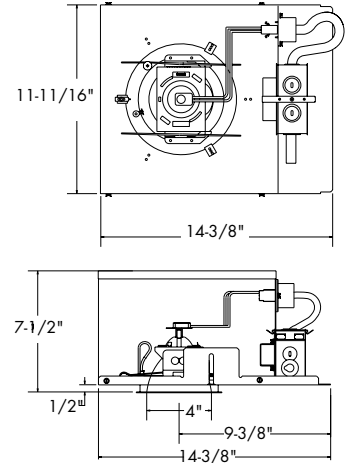
Aperture: 4.0"

Ceiling Cutout: 5"

Maximum Ceiling Thickness: 1 1/2"

For conversion to millimeters, multiply inches by 25.4

Not to Scale



EXAMPLE: A4MR4C1STWT

CATALOG NUMBER:

Order housing, reflector, and accessories separately

HOUSING		HOUSING OPTIONS	TRIMS	TRIM ANGLE	FLANGE OPTIONS	TRIM OPTIONS	ACCESSORIES
<input type="checkbox"/> A4MR 120V 4", (1) 20-75W MR16	<input type="checkbox"/> 277V J-Box mounted stepdown transformer (MR16)	<input type="checkbox"/> CP Chicago Plenum Fixture construction and/ or specifications may vary. Refer to Chicago Plenum specification sheets on www. prescolite.com for details.	<input type="checkbox"/> 4C1¹ Alzak Reflector Cone (MR16)	<input type="checkbox"/> Blank Standard 45° cut	<input type="checkbox"/> Blank Diecast Aluminum Flange	REFLECTOR FINISH <input type="checkbox"/> Blank ¹ Specular Alzak	<input type="checkbox"/> B24 Set of two (2) 24" Bar Hangers for T-bar Ceilings
<input type="checkbox"/> A4PAR 120V 4", (1) 45-75W PAR16, 50W PAR20, or R20	<input type="checkbox"/> CP Chicago Plenum Fixture construction and/ or specifications may vary. Refer to Chicago Plenum specification sheets on www. prescolite.com for details.	<input type="checkbox"/> MW50MR16 Max Wattage label, 50W	<input type="checkbox"/> 4C2¹ Alzak Reflector Cone (PAR16, PAR20 and R20)	<input type="checkbox"/> FC⁴ Full Cut	<input type="checkbox"/> ST Self Flanged (Cones, Baffles, & Lensed Wall Wash Trims only)	FLANGE FINISH (REQUIRED) <input type="checkbox"/> Blank Anodized finish (ST option cone or lensed wall wash trims only)	<input type="checkbox"/> B6 Set of two (2) 24" Bar Hangers for ceiling joists up to 24" centers
	<input type="checkbox"/> MW45PAR16 Max Wattage label, 45W	<input type="checkbox"/> 4B1² Baffle (MR16)	<input type="checkbox"/> 4W1¹ Alzak Lensed Wallwash (MR16)	<input type="checkbox"/> AC⁴ Angle Cut in increments of 5°. Max. 40°. (must specify angle i.e. AC25)		<input type="checkbox"/> MFC ¹ American Matte™ Alzak	
	<input type="checkbox"/> MW60PAR16 Max Wattage label, 60W	<input type="checkbox"/> 4S1² Slot (MR16)	<input type="checkbox"/> 4P1² Pinhole Spot (MR16)			REFLECTOR FINISH COLOR <input type="checkbox"/> Blank ¹ Clear Alzak	<input type="checkbox"/> WT White Trim Flange
		<input type="checkbox"/> 4L1^{2,5} Etched Lens Shower Trim (MR16)				<input type="checkbox"/> CG ¹ Champagne Gold Alzak	<input type="checkbox"/> BAT³ Brushed Aluminum Trim Flange
						<input type="checkbox"/> BL ¹ Black Alzak ² Black Paint	<input type="checkbox"/> BT Black Trim Flange
						<input type="checkbox"/> WE ¹ Wheat Alzak	<input type="checkbox"/> ZT Zet Silver Trim Flange
						<input type="checkbox"/> LW ¹ Light Wheat Alzak	
						<input type="checkbox"/> PW ¹ Pewter Alzak	
						<input type="checkbox"/> WH ² White Paint	
						<input type="checkbox"/> Z ² Zet Silver Paint	

¹Alzak finishes available on 4C1, 4C2, 4W1, 4C1ST, 4W1ST, 4C2ST trims only

²Painted finishes on 4B1, 4S1, 4P1, and 4L1 trims

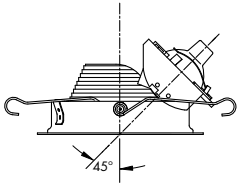
³Not available with ST self flange option

⁴FC & AC available for 4C1, 4B1, 4C2, 4C1ST, 4B1ST, and 4C2ST trims only

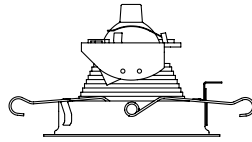
⁵Specular clear Alzak upper reflector standard. Do not specify reflector finish or color

Architektūr 4" Accent Luminaires

Baffle

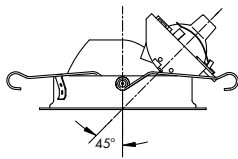


4B1
Baffle. Max. 75W MR16.

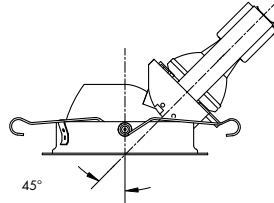


4B1FC
Baffle. Max. 75W MR16.

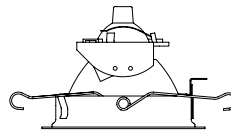
Open



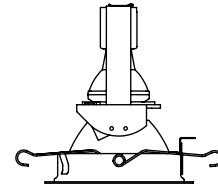
4C1
Alzak cone. Max. 75W MR16.



4C2
Alzak cone. Max., 75W PAR16, or
50W PAR20.

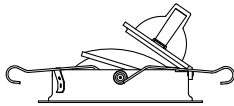


4C1FC
Alzak cone. Max. 75W MR16.



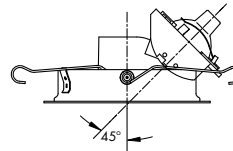
4C2FC
Alzak cone. Max., 75W PAR16, or
50W PAR20.

Wall Wash



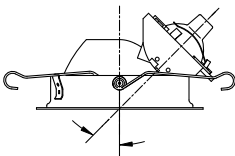
4W1
Alzak cone with linear spread lens.
Max. 75W MR16.
No vertical adjustment.

Pinhole Spot



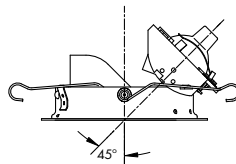
4P1
Pinhole spot. Max. 75W MR16.

Shower Trim

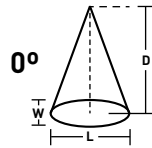


4L1
Lensed shower trim. Max. 50W
MR16.

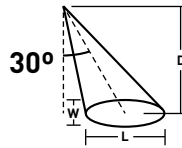
Slot



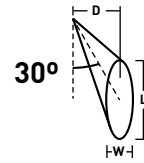
4S1
Slot. Max. 75W MR16.



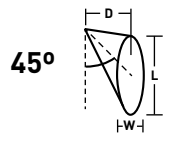
FC ON HORIZONTAL PLANE



FC ON HORIZONTAL PLANE



FC ON VERTICAL PLANE



FC ON VERTICAL PLANE

A4MR 4C1WH

Clear Alzak Reflector

MR16 65W NFL25

Test No. 1016

1017

1018

D	FC	L	W
4'	233	1.7'	1.7'
6'	104	2.5'	2.5'
7'	76	2.9'	2.9'
8'	58	3.3'	3.3'
9'	46	3.8'	3.8'
10'	37	4.2'	4.2'
12.5'	24	5.2'	5.2'

D	FC	L	W
4'	130	2.3'	2.4'
6'	58	3.4'	3.6'
7'	43	3.9'	4.2'
8'	33	4.5'	4.8'
9'	26	5.1'	5.5'
10'	21	5.6'	6.1'
12.5'	13	7.0'	7.6'

D	FC	L	W
2'	100	2.4'	2.1'
3'	45	3.6'	3.1'
4'	25	4.8'	4.2'
5'	16	6'	5.2'
6'	11	7.2'	6.3'
8'	6	9.6'	8.4'
10'	4	12'	10.5'

D	FC	L	W
2'	270	1.4'	1.5'
3'	120	2.1'	2.3'
4'	67	2.8'	3.1'
5'	43	3.5'	3.8'
6'	30	4.2'	4.6'
8'	17	5.6'	6.1'
10'	11	7.0'	7.6'

A4MR 4C1WH

White Cone

MR16 65W NFL25

Test No. 831

832

833

D	FC	L	W
4'	182	2.2'	2.2'
6'	81	3.4'	3.4'
7'	59	3.9'	3.9'
8'	45	4.5'	4.5'
9'	36	5.0'	5.0'
10'	29	5.6'	5.6'
12.5'	19	7.0'	7.0'

D	FC	L	W
4'	81	2.1'	1.9'
6'	36	3.2'	2.8'
7'	26	3.7'	3.3'
8'	20	4.3'	3.8'
9'	16	4.8'	4.3'
10'	13	5.4'	4.7'
12.5'	8	6.7'	5.9'

D	FC	L	W
2'	62	2.5'	1.7'
3'	28	3.8'	2.5'
4'	16	5.0'	3.3'
5'	10	6.3'	4.1'
6'	7	7.5'	5.0'
8'	4	10.0'	6.6'
10'	2	12.5'	8.3'

D	FC	L	W
2'	346	1.5'	1.0'
3'	154	2.3'	1.5'
4'	87	3.0'	2.1'
5'	55	3.8'	2.6'
6'	38	4.5'	3.1'
8'	22	6.0'	4.1'
10'	14	7.5'	5.1'

A4MR 4B1WH

White Baffle

MR16 65W NFL25

Test No. 776a

787a

788a

D	FC	L	W
4'	173	1.9'	1.9'
6'	77	2.9'	2.9'
7'	56	3.4'	3.4'
8'	43	3.8'	3.8'
9'	34	4.3'	4.3'
10'	28	4.8'	4.8'
12.5'	18	6.0'	6.0'

D	FC	L	W
4'	76	2.2'	1.6'
6'	34	3.3'	2.4'
7'	25	3.8'	2.8'
8'	19	4.3'	3.2'
9'	15	4.9'	3.6'
10'	12	5.4'	3.9'
12.5'	8	6.8'	4.9'

D	FC	L	W
2'	59	2.6'	1.3'
3'	26	4.0'	2.0'
4'	15	5.3'	2.6'
5'	9	6.6'	3.3'
6'	7	7.9'	4.0'
8'	4	10.6'	5.3'
10'	2	13.2'	6.6'

D	FC	L	W
2'	321	1.5'	0.9'
3'	143	2.3'	1.3'
4'	80	3.0'	1.7'
5'	51	3.8'	2.2'
6'	36	4.5'	2.6'
8'	20	6.0'	3.5'
10'	13	7.5'	4.3'

A4MR 4P1WH

Pinhole

MR16 65W NSP10

Test No. 1038

1039

1040

D	FC	L	W
4'	421	0.7'	0.7'
6'	187	1.0'	1.0'
7'	137	1.2'	1.2'
8'	105	1.4'	1.4'
9'	83	1.5'	1.5'
10'	67	1.7'	1.7'
12.5'	43	2.1'	2.1'

D	FC	L	W
4'	341	1.1'	0.8'
6'	151	1.6'	1.3'
7'	111	1.9'	1.5'
8'	85	2.2'	1.7'
9'	67	2.5'	1.9'
10'	54	2.7'	2.1'
12.5'	35	3.4'	2.6'

D	FC	L	W
2'	262	1.8'	0.7'
3'	117	2.8'	1.1'
4'	66	3.7'	1.5'
5'	42	4.6'	1.8'
6'	29	5.5'	2.2'
8'	16	7.4'	2.9'
10'	10	9.2'	3.6'

D	FC	L	W
2'	686	0.9'	0.6'
3'	305	1.3'	0.9'
4'	171	1.7'	1.1'
5'	110	2.1'	1.4'
6'	76	2.6'	1.7'
8'	43	3.4'	2.3'
10'	27	4.3'	2.9'

A4MR 4S1WH

Slot

MR16 65W NSP10

Test No. 1067

1068

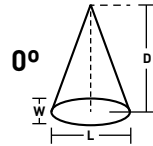
1069

D	FC	L	W
4'	434	0.9'	0.9'
6'	193	1.3'	1.3'
7'	142	1.6'	1.6'
8'	108	1.8'	1.8'
9'	86	2.0'	2.0'
10'	69	2.2'	2.2'
12.5'	44	2.8'	2.8'

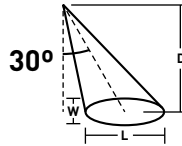
D	FC	L	W
4'	222	1.1'	1.2'
6'	99	1.7'	1.9'
7'	73	2.0'	2.2'
8'	56	2.3'	2.5'
9'	44	2.6'	2.8'
10'	36	2.9'	3.1'
12.5'	23	3.6'	3.9'

D	FC	L	W
2'	171	2.1'	1.1'
3'	76	3.1'	1.6'
4'	43	4.1'	2.2'
5'	27	5.2'	2.7'
6'	19	6.2'	3.2'
8'	11	8.3'	4.3'
10'	7	10.3'	5.4'

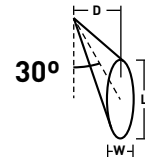
D	FC	L	W
2'	378	0.8'	0.7'
3'	168	1.2'	1.0'
4'	94	1.6'	1.3'
5'	60	1.9'	1.7'
6'	42	2.3'	2'
8'	24	3.1'	2.7'
10'	15	3.9'	3.4'



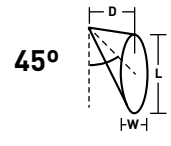
FC ON HORIZONTAL PLANE



FC ON HORIZONTAL PLANE



FC ON VERTICAL PLANE



FC ON VERTICAL PLANE

A4PAR 4C2WH
Clear Alzak Reflector
PAR20 50W NSP10
Test No. 781
798
799

D	FC	L	W
4'	119	1.4'	1.4'
6'	53	2.1'	2.1'
7'	39	2.5'	2.5'
8'	30	2.9'	2.9'
9'	23	3.2'	3.2'
10'	19	3.6'	3.6'
12.5'	12	4.5'	4.5'

D	FC	L	W
4'	82	1.2'	0.8'
6'	36	1.8'	1.3'
7'	27	2.1'	1.5'
8'	20	2.4'	1.7'
9'	16	2.8'	1.9'
10'	13	3.1'	2.1'
12.5'	8	3.8'	2.6'

D	FC	L	W
2'	63	2.1'	0.7'
3'	28	3.1'	1.1'
4'	16	4.1'	1.5'
5'	10	5.1'	1.8'
6'	7	6.2'	2.2'
8'	4	8.2'	2.9'
10'	3	10.3'	3.6'

D	FC	L	W
2'	116	1.1'	0.7'
3'	52	1.7'	1.1'
4'	29	2.3'	1.4'
5'	19	2.8'	1.8'
6'	13	3.4'	2.1'
8'	7	4.5'	2.9'
10'	5	5.7'	3.6'

A4SMR 4L1WT
Etched Lensed
Shower Trim
75MR16/SP10
Test No. 1749
1750
1751

D	FC	L	W
4'	350	1.1'	1.1'
6'	156	1.6'	1.6'
7'	114	1.9'	1.9'
8'	88	2.1'	2.1'
9'	69	2.4'	2.4'
10'	56	2.6'	2.6'
12.5'	36	3.3'	3.3'

D	FC	L	W
4'	187	1.7'	1.3'
6'	83	2.6'	1.9'
7'	61	3.1'	2.2'
8'	47	3.5'	2.5'
9'	37	3.9'	2.8'
10'	30	4.4'	3.2'
12.5'	19	5.5'	4.0'

D	FC	L	W
2'	144	2.4'	1.7'
3'	64	3.6'	2.5'
4'	36	4.8'	3.3'
5'	23	6.0'	4.1'
6'	16	7.2'	5.0'
8'	9	9.6'	6.6'
10'	6	12.0'	8.3'

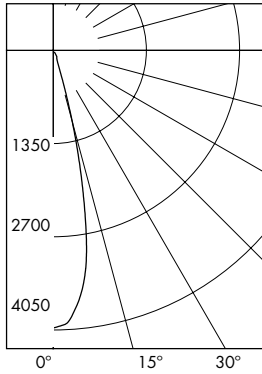
D	FC	L	W
2'	315	1.3'	1.1'
3'	140	1.9'	1.6'
4'	79	2.6'	2.2'
5'	50	3.2'	2.7'
6'	35	3.9'	3.3'
8'	20	5.1'	4.4'
10'	13	6.4'	5.5'

PHOTOMETRIC DATA

A4MR with 4B1FCWH

Lamp: MR16 65W
Spacing Criteria: 0.4
Efficiency: 82.1%

CANDLEPOWER DISTRIBUTION



Test No. 2242

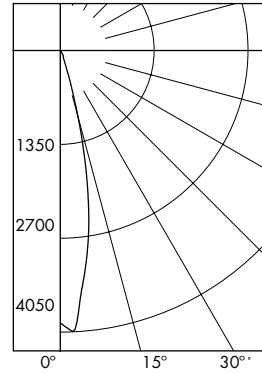
CANDLEPOWER SUMMARY

Angle	Mean CP	Lumens
0	4022	
5	3746	338
15	1063	297
25	124	60
35	30	29
45	19	14
55	12	10
65	6	6
75	3	4
85	1	1
90	0	

A4MR with 4C1FC

Lamp: MR16 65W
Spacing Criteria: 0.4
Efficiency: 84.2%

CANDLEPOWER DISTRIBUTION



Test No. 2243

CANDLEPOWER SUMMARY

Angle	Mean CP	Lumens
0	4644	
5	4125	365
15	1161	329
25	121	59
35	22	21
45	6	4
55	0	0
65	0	0
75	0	0
85	0	0
90	0	

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Average
0°	
45°	3313.
55°	2580.
65°	1751.
75°	1429.
85°	1415.

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array)
Ceiling 80% Wall 50% Floor 20%

SPACING	RCR1	RCR3	RCR7
7.0	19	16	14
8.0	14	12	11
9.0	11	10	8
10.0	9	8	7
11.0	7	6	6
12.0	6	5	5
13.0	5	5	4
14.0	5	4	3
15.0	4	3	3

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Average
0°	
45°	1046.
55°	0.
65°	0.
75°	0.
85°	0.

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array)
Ceiling 80% Wall 50% Floor 20%

SPACING	RCR1	RCR3	RCR7
7.0	2	17	15
8.0	1	13	11
9.0	1	10	9
10.0	1	8	7
11.0	1	7	6
12.0	1	6	5
13.0	1	5	4
14.0	0	4	4
15.0	0	4	3

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

	% Effective Ceiling Cavity Reflectance																			
	80%				70%				50%				30%				10%			
	20% Effective Floor Cavity Reflectance																			
	% Wall Reflectance																			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
1	94	93	91	90	92	91	89	88	88	86	85	85	84	83	82	81	81			
2	91	88	86	84	90	87	85	83	84	83	81	82	81	79	80	79	78			
3	88	85	82	79	87	84	81	79	81	79	77	80	78	76	78	76	75			
4	86	81	78	76	85	81	78	75	79	76	75	77	75	74	76	74	73			
5	83	79	75	73	82	78	75	73	77	74	72	75	73	71	74	72	71			
6	81	76	73	71	80	76	73	70	75	72	70	74	71	69	73	71	69			
7	79	74	71	68	78	74	71	68	73	70	68	72	69	68	71	69	67			
8	77	72	69	67	77	72	69	67	71	68	66	70	68	66	70	67	66			
9	76	70	67	65	75	70	67	65	69	67	65	69	66	65	68	66	64			
10	74	69	66	63	73	68	65	63	68	65	63	67	65	63	67	65	63			

Test No. 2242

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

	% Effective Ceiling Cavity Reflectance																			
	80%				70%				50%				30%				10%			
	20% Effective Floor Cavity Reflectance																			
	% Wall Reflectance																			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
1	97	95	94	93	95	94	92	91	90	89	88	87	87	86	84	84	83			
2	94	92	89	87	93	90	88	86	88	86	85	85	84	83	83	82	81			
3	92	88	86	83	90	87	85	83	85	83	81	83	82	80	81	80	79			
4	89	85	82	80	88	84	82	80	83	81	79	81	79	78	80	78	77			
5	87	83	80	77	86	82	79	77	81	78	76	80	77	76	78	77	75			
6	85	80	77	75	84	80	77	75	79	76	74	78	76	74	77	75	74			
7	83	78	75	73	82	78	75	73	77	75	73	76	74	72	75	73	72			
8	81	77	73	71	81	76	73	71	75	73	71	75	72	71	74	72	70			
9	80	75	72	70	79	74	72	70	74	71	69	73	71	69	73	71	69			
10	78	73	70	68	77	73	70	68	72	70	68	72	70	68	71	69	68			

Test No. 2243



Web: www.prescolite.com • Tech Support: (888) 777-4832

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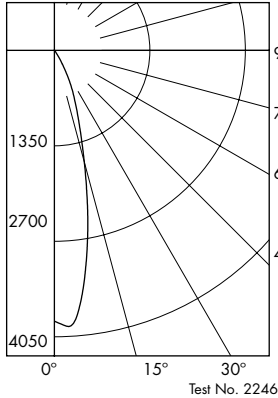
HUBBELL
Lighting, Inc.

PHOTOMETRIC DATA

A4 PAR with 4C2FC

Lamp: PAR20 50W FL
 Spacing Criteria: 0.5
 Efficiency: 65.1%

CANDLEPOWER DISTRIBUTION



CANDLEPOWER SUMMARY

Angle	Mean CP	Lumens
0	2127	
5	2082	181
15	908	254
25	313	140
35	29	24
45	1	2
55	0	0
65	0	0
75	0	0
85	0	0
90	0	0

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Average
0°	
45°	174.
55°	0.
65°	0.
75°	0.
85°	0.

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array)
 Ceiling 80% Wall 50% Floor 20%

SPACING	RCR1	RCR3	RCR7
7.0	14	12	11
8.0	11	10	8
9.0	8	8	7
10.0	7	6	5
11.0	6	5	4
12.0	5	4	4
13.0	4	4	3
14.0	3	3	3
15.0	3	3	2

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

	% Effective Ceiling Cavity Reflectance																			
	80%				70%				50%				30%				10%			
	20% Effective Floor Cavity Reflectance																			
	% Wall Reflectance																			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
1	75	73	72	71	73	72	71	70	69	68	68	67	66	66	65	64	64			
2	72	70	68	66	71	69	67	65	67	65	64	65	63	62	63	62	61			
3	70	66	64	62	68	66	63	62	64	62	61	63	61	60	61	60	59			
4	67	64	61	59	66	63	61	59	62	60	58	61	59	57	59	58	57			
5	65	61	58	56	64	61	58	56	60	57	56	59	57	55	58	56	55			
6	63	59	56	54	62	58	56	54	58	55	53	57	55	53	56	54	53			
7	61	57	54	52	60	56	54	52	56	53	52	55	53	51	54	52	51			
8	59	55	52	50	59	54	52	50	54	51	50	53	51	50	53	51	49			
9	58	53	50	48	57	53	50	48	52	50	48	52	50	48	51	49	48			
10	56	51	49	47	55	51	48	47	51	48	47	50	48	46	50	48	46			

Test No. 2246

