

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504469

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504469
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

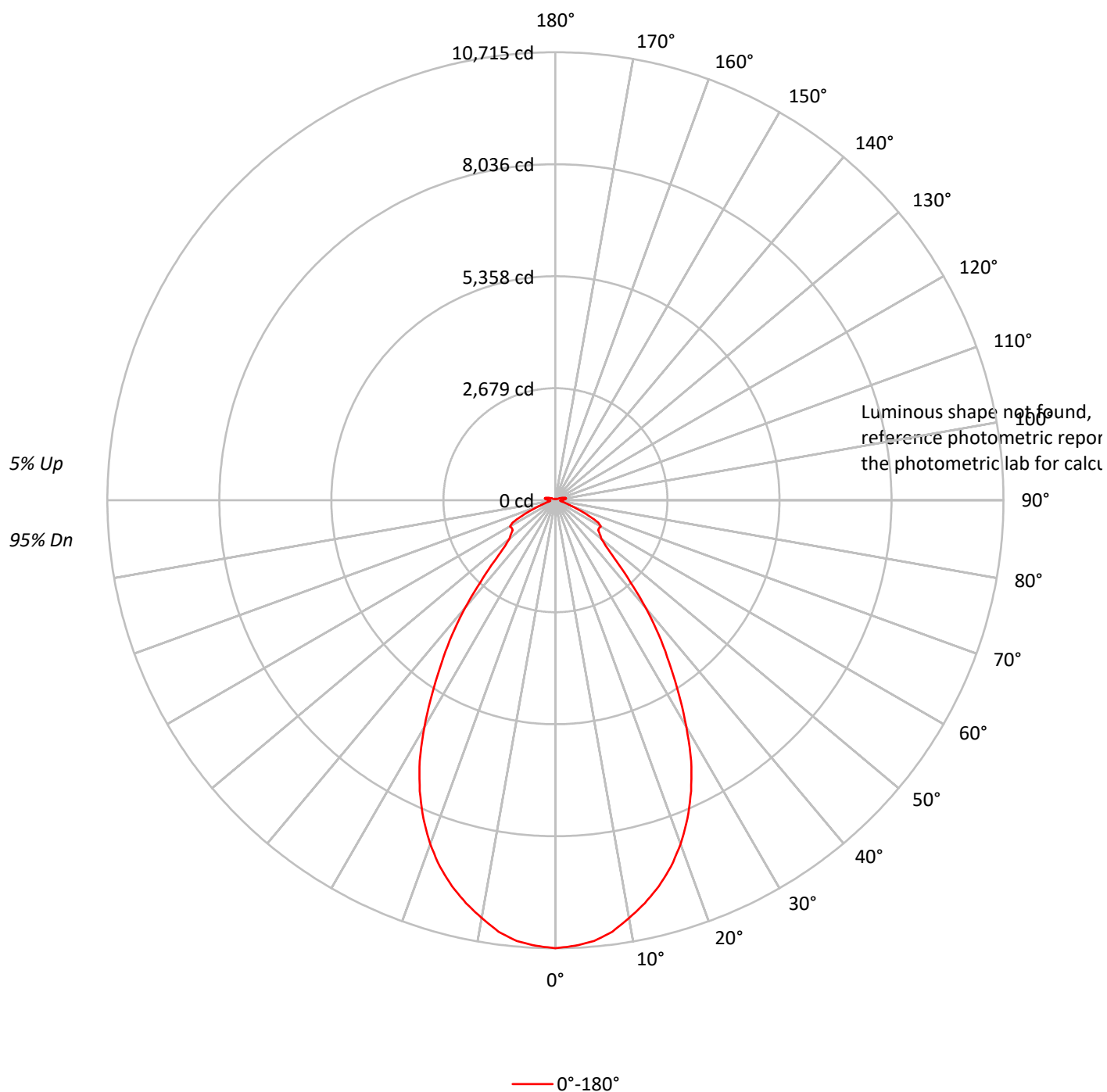
Lumens per Lamp: N/A
Luminaire Lumens: 14945.5 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



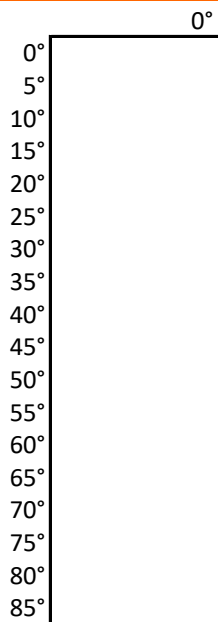
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20						20
RC	80					70						30						0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10	0
RCR																		
0	118	118	118	118		115	115	115	115		108	108	108		103	103	103	95
1	110	107	103	100		107	104	101	98		99	97	94		94	92	91	85
2	103	96	91	87		100	94	89	85		90	86	83		86	83	80	76
3	96	88	81	76		93	86	80	75		82	77	73		79	75	71	68
4	89	80	73	68		87	78	72	67		75	70	66		73	68	64	61
5	84	73	66	61		81	72	65	60		69	64	59		67	62	58	55
6	78	68	60	55		76	66	60	54		64	58	54		62	57	53	50
7	74	62	55	50		72	62	55	50		60	54	49		58	53	49	46
8	69	58	51	46		68	57	50	46		56	50	45		54	49	45	43
9	66	54	47	42		64	53	47	42		52	46	42		51	45	41	39
10	62	51	44	39		61	50	44	39		49	43	39		48	42	38	37

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	996.2	6.7
10°-20°	2677.3	17.9
20°-30°	3490.6	23.4
30°-40°	2964.8	19.8
40°-50°	1674.0	11.2
50°-60°	1157.7	7.7
60°-70°	857.0	5.7
70°-80°	271.6	1.8
80°-90°	142.0	1.0
90°-100°	232.3	1.6
100°-110°	234.4	1.6
110°-120°	111.7	0.7
120°-130°	47.1	0.3
130°-140°	32.6	0.2
140°-150°	25.6	0.2
150°-160°	18.2	0.1
160°-170°	9.8	0.1
170°-180°	2.6	0.0
0°-30°	7164.1	47.9
0°-40°	10128.9	67.8
0°-60°	12960.6	86.7
0°-90°	14231.2	95.2
90°-120°	578.4	3.9
90°-150°	683.8	4.6
90°-180°	714.0	4.8
0°-180°	14945.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10715	
5°	10582	996
15°	9556	2677
25°	7674	3491
35°	4740	2965
45°	2060	1674
55°	1248	1158
65°	877	857
75°	244	272
85°	120	103
90°	152	84
95°	217	186
105°	225	234
115°	109	112
125°	50	47
135°	42	33
145°	41	26
155°	39	18
165°	34	10
175°	26	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10714.9
2.5°	10666.7
5°	10581.7
7.5°	10408.5
10°	10146.2
12.5°	9869.5
15°	9555.9
17.5°	9188.0
20°	8749.4
22.5°	8246.3
25°	7674.4
27.5°	7027.8
30°	6261.3
32.5°	5484.5
35°	4740.5
37.5°	4062.2
40°	3368.4
42.5°	2643.9
45°	2059.8
47.5°	1649.9
50°	1430.6
52.5°	1342.4
55°	1248.2
57.5°	1234.8
60°	1256.4
62.5°	1143.6
65°	877.2
67.5°	613.8
70°	428.4
72.5°	317.7
75°	243.9
77.5°	183.4
80°	143.5
82.5°	123.0
85°	119.9
87.5°	130.1
90°	151.7
92.5°	182.4
95°	217.2
97.5°	247.0
100°	259.3
102.5°	250.0
105°	225.4
107.5°	196.8
110°	166.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	135.3
115°	108.6
117.5°	86.1
120°	69.7
122.5°	57.4
125°	50.2
127.5°	45.1
130°	43.0
132.5°	42.0
135°	42.0
137.5°	42.0
140°	42.0
142.5°	41.0
145°	41.0
147.5°	40.0
150°	40.0
152.5°	40.0
155°	38.9
157.5°	38.9
160°	37.9
162.5°	36.9
165°	33.8
167.5°	31.8
170°	29.7
172.5°	27.7
175°	25.6
177.5°	25.6
180°	25.6

(END OF REPORT)