

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: P1504442

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504442
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 (3000K_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

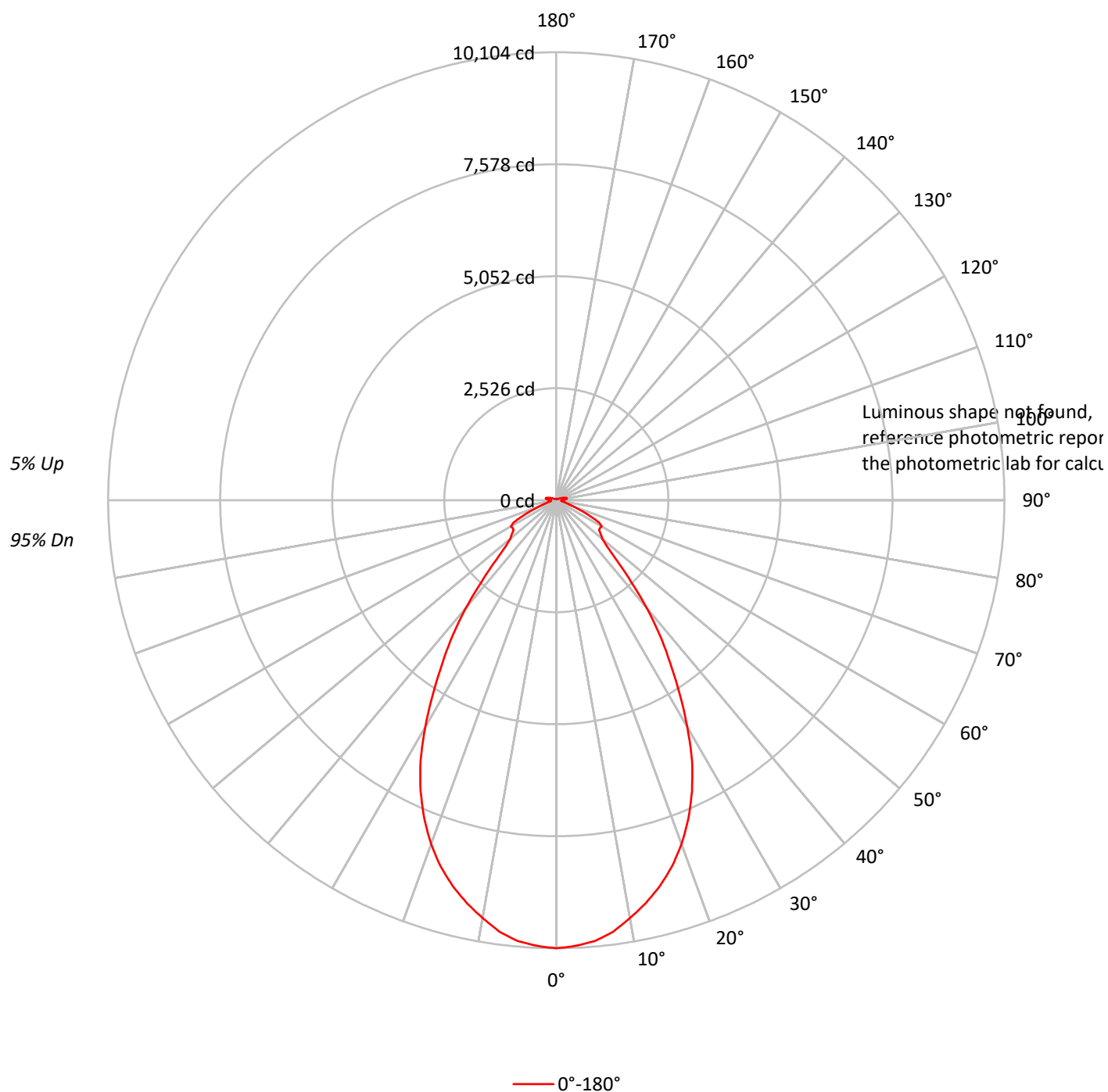
Lumens per Lamp: N/A
Luminaire Lumens: 14093.7 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.3
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



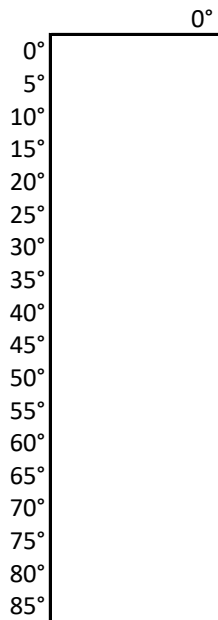
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20						20
RC	80					70						30						0
RW	70	50	30	10		70	50	30	10			50	30	10				0
RCR																		
0	118	118	118	118		115	115	115	115			108	108	108				95
1	110	107	103	100		107	104	101	98			99	97	94				85
2	103	96	91	87		100	94	89	85			90	86	83				76
3	96	88	81	76		93	86	80	75			82	77	73				68
4	89	80	73	68		87	78	72	67			75	70	66				61
5	84	73	66	61		81	72	65	60			69	64	59				55
6	78	68	60	55		76	66	60	54			64	58	54				50
7	74	62	55	50		72	62	55	50			60	54	49				46
8	69	58	51	46		68	57	50	46			56	50	45				43
9	66	54	47	42		64	53	47	42			52	46	42				39
10	62	51	44	39		61	50	44	39			49	43	39				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°	939.4	6.7
10°-20°	2524.7	17.9
20°-30°	3291.7	23.4
30°-40°	2795.8	19.8
40°-50°	1578.5	11.2
50°-60°	1091.7	7.7
60°-70°	808.2	5.7
70°-80°	256.1	1.8
80°-90°	133.9	1.0
90°-100°	219.0	1.6
100°-110°	221.0	1.6
110°-120°	105.4	0.7
120°-130°	44.4	0.3
130°-140°	30.8	0.2
140°-150°	24.2	0.2
150°-160°	17.1	0.1
160°-170°	9.2	0.1
170°-180°	2.5	0.0
0°-30°	6755.8	47.9
0°-40°	9551.6	67.8
0°-60°	12221.9	86.7
0°-90°	13420.1	95.2
90°-120°	545.5	3.9
90°-150°	644.8	4.6
90°-180°	674.0	4.8
0°-180°	14093.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10104	
5°	9979	939
15°	9011	2525
25°	7237	3292
35°	4470	2796
45°	1942	1579
55°	1177	1092
65°	827	808
75°	230	256
85°	113	98
90°	143	80
95°	205	176
105°	213	221
115°	102	105
125°	47	44
135°	40	31
145°	39	24
155°	37	17
165°	32	9
175°	24	2
180°	24	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10104.2
2.5°	10058.8
5°	9978.6
7.5°	9815.3
10°	9567.9
12.5°	9307.0
15°	9011.3
17.5°	8664.4
20°	8250.8
22.5°	7776.3
25°	7237.0
27.5°	6627.3
30°	5904.4
32.5°	5171.9
35°	4470.4
37.5°	3830.6
40°	3176.4
42.5°	2493.2
45°	1942.4
47.5°	1555.8
50°	1349.0
52.5°	1265.9
55°	1177.0
57.5°	1164.5
60°	1184.8
62.5°	1078.5
65°	827.2
67.5°	578.8
70°	403.9
72.5°	299.6
75°	230.0
77.5°	173.0
80°	135.3
82.5°	116.0
85°	113.1
87.5°	122.7
90°	143.0
92.5°	172.0
95°	204.9
97.5°	232.9
100°	244.5
102.5°	235.8
105°	212.6
107.5°	185.5
110°	156.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	127.6
115°	102.4
117.5°	81.2
120°	65.7
122.5°	54.1
125°	47.4
127.5°	42.5
130°	40.6
132.5°	39.6
135°	39.6
137.5°	39.6
140°	39.6
142.5°	38.7
145°	38.7
147.5°	37.7
150°	37.7
152.5°	37.7
155°	36.7
157.5°	36.7
160°	35.8
162.5°	34.8
165°	31.9
167.5°	30.0
170°	28.0
172.5°	26.1
175°	24.2
177.5°	24.2
180°	24.2

(END OF REPORT)