

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: P1504802

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504802
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-55)
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-B-06-CLER-PS (3000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

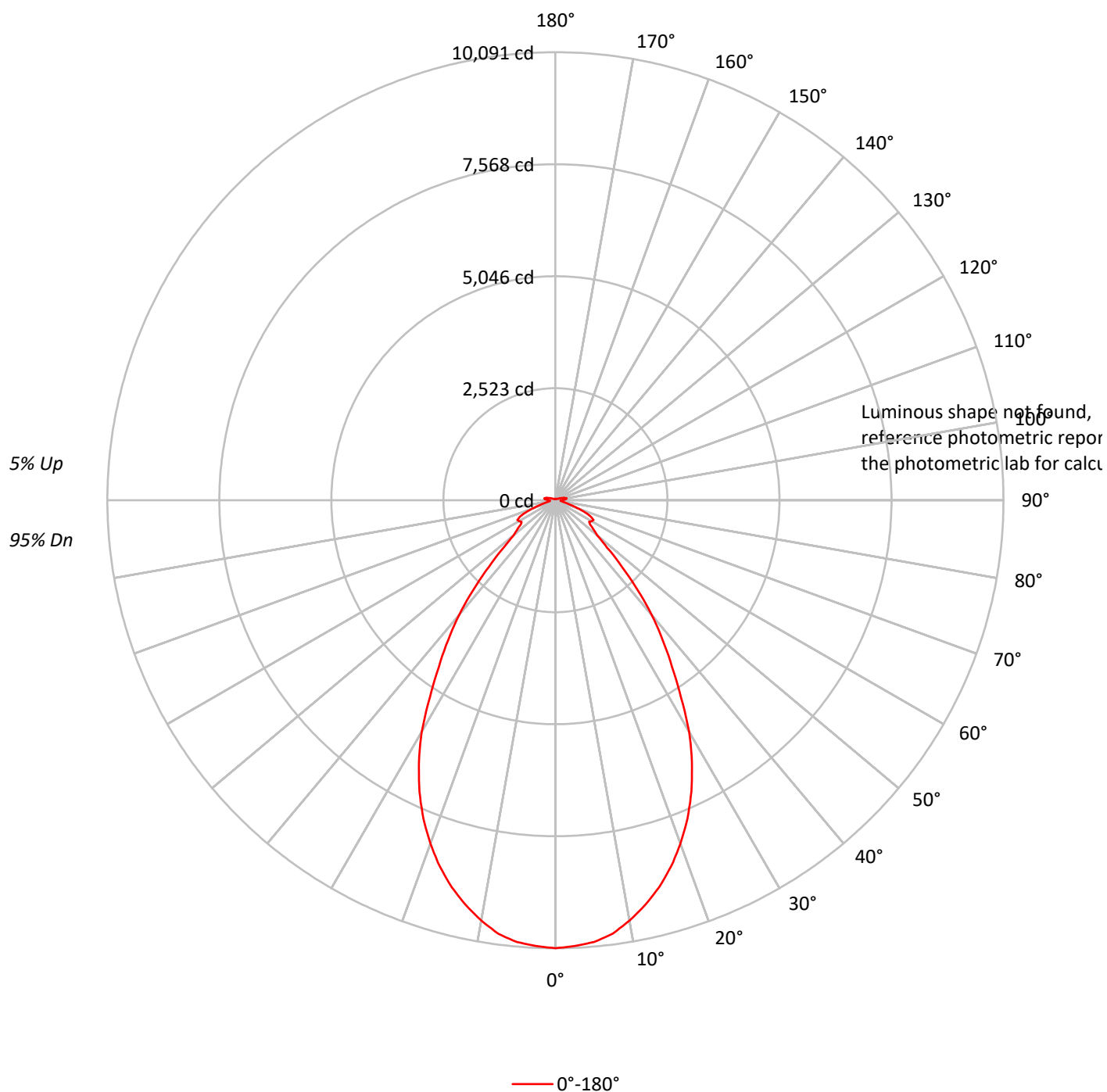
Lumens per Lamp: N/A
Luminaire Lumens: 14172.7 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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



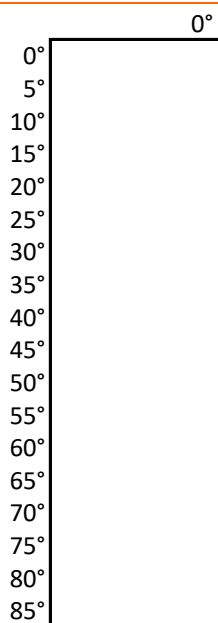
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20						20
RC	80					70						30						0
RW	70	50	30	10		70	50	30	10		50	30	10		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	96	94		94	92	91	85
2	103	96	91	87		100	94	89	85		90	86	83		86	83	80	76
3	96	87	81	76		93	86	80	75		82	77	73		79	75	71	68
4	89	80	73	68		87	78	72	67		75	70	65		73	68	64	61
5	84	73	66	61		82	72	65	60		70	64	59		67	62	58	55
6	78	68	60	55		76	66	60	55		64	58	54		62	57	53	50
7	74	63	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	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°	941.6	6.6
10°-20°	2527.0	17.8
20°-30°	3302.2	23.3
30°-40°	2873.9	20.3
40°-50°	1669.5	11.8
50°-60°	899.7	6.3
60°-70°	825.8	5.8
70°-80°	310.1	2.2
80°-90°	140.7	1.0
90°-100°	233.4	1.6
100°-110°	217.2	1.5
110°-120°	99.4	0.7
120°-130°	43.5	0.3
130°-140°	32.5	0.2
140°-150°	25.4	0.2
150°-160°	17.6	0.1
160°-170°	10.2	0.1
170°-180°	2.8	0.0
0°-30°	6770.9	47.8
0°-40°	9644.9	68.1
0°-60°	12214.1	86.2
0°-90°	13490.6	95.2
90°-120°	550.1	3.9
90°-150°	651.5	4.6
90°-180°	682.0	4.8
0°-180°	14172.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10091	
5°	9988	942
15°	9023	2527
25°	7244	3302
35°	4576	2874
45°	2118	1669
55°	950	900
65°	889	826
75°	263	310
85°	119	102
90°	151	84
95°	221	187
105°	207	217
115°	97	99
125°	46	44
135°	42	32
145°	41	25
155°	38	18
165°	37	10
175°	29	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10090.7
2.5°	10048.2
5°	9988.3
7.5°	9848.1
10°	9614.3
12.5°	9338.9
15°	9022.9
17.5°	8654.7
20°	8231.4
22.5°	7768.5
25°	7243.8
27.5°	6656.3
30°	6024.3
32.5°	5260.8
35°	4575.7
37.5°	3969.8
40°	3371.6
42.5°	2741.6
45°	2118.3
47.5°	1581.9
50°	1232.1
52.5°	1085.2
55°	949.9
57.5°	901.6
60°	942.2
62.5°	967.3
65°	889.0
67.5°	735.4
70°	550.8
72.5°	382.7
75°	262.8
77.5°	186.5
80°	142.1
82.5°	121.8
85°	118.9
87.5°	128.5
90°	150.8
92.5°	184.6
95°	221.3
97.5°	248.4
100°	253.2
102.5°	236.8
105°	206.8
107.5°	175.9
110°	146.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	119.8
115°	96.6
117.5°	77.3
120°	62.8
122.5°	52.2
125°	46.4
127.5°	42.5
130°	41.6
132.5°	41.6
135°	41.6
137.5°	42.5
140°	42.5
142.5°	41.6
145°	40.6
147.5°	38.7
150°	38.7
152.5°	37.7
155°	37.7
157.5°	37.7
160°	38.7
162.5°	37.7
165°	36.7
167.5°	33.8
170°	30.9
172.5°	29.0
175°	29.0
177.5°	30.0
180°	30.0

(END OF REPORT)