

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: P1504818

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504818
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-57)
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 (4000K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

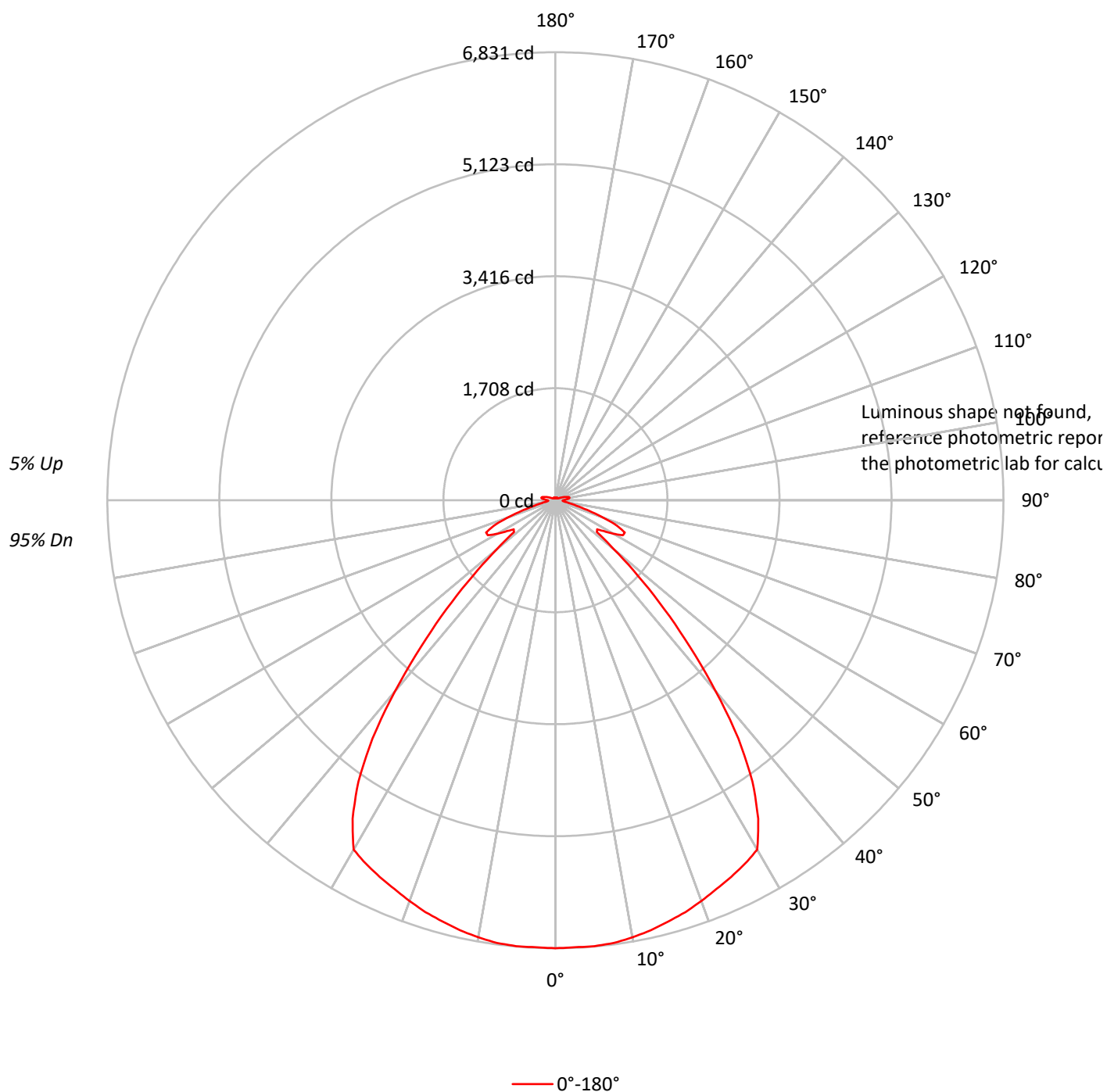
Lumens per Lamp: N/A
Luminaire Lumens: 13510.5 lumens
Efficiency: N/A
Efficacy: 167.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 80.7
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





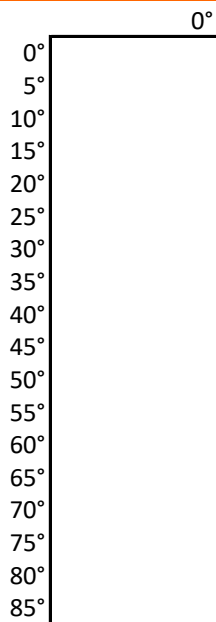
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95		
1	110	106	102	99	107	103	100	97	98	96	93	93	91	90	89	88	86	84		
2	102	95	89	84	99	93	87	83	88	84	81	85	81	78	81	78	76	74		
3	94	85	79	73	92	84	77	72	80	75	70	77	72	69	74	70	67	65		
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	58		
5	82	71	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	52		
6	76	65	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	47		
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	42		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	39		
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37	35		
10	59	47	40	35	58	47	40	35	45	39	35	44	38	34	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.7	4.8
10°-20°	1880.3	13.9
20°-30°	2926.7	21.7
30°-40°	3199.0	23.7
40°-50°	1824.5	13.5
50°-60°	793.0	5.9
60°-70°	1054.2	7.8
70°-80°	421.1	3.1
80°-90°	131.9	1.0
90°-100°	190.2	1.4
100°-110°	198.9	1.5
110°-120°	98.1	0.7
120°-130°	45.9	0.3
130°-140°	36.0	0.3
140°-150°	28.1	0.2
150°-160°	18.9	0.1
160°-170°	10.8	0.1
170°-180°	3.1	0.0
0°-30°	5456.7	40.4
0°-40°	8655.7	64.1
0°-60°	11273.2	83.4
0°-90°	12880.4	95.3
90°-120°	487.2	3.6
90°-150°	597.3	4.4
90°-180°	630.0	4.7
0°-180°	13510.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6831	
5°	6825	650
15°	6650	1880
25°	6336	2927
35°	5237	3199
45°	2346	1825
55°	775	793
65°	1166	1054
75°	354	421
85°	110	100
90°	120	68
95°	177	154
105°	192	199
115°	96	98
125°	49	46
135°	46	36
145°	45	28
155°	41	19
165°	38	11
175°	32	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6831.3
2.5°	6821.2
5°	6825.4
7.5°	6808.5
10°	6766.3
12.5°	6716.4
15°	6649.7
17.5°	6585.5
20°	6503.5
22.5°	6416.5
25°	6336.2
27.5°	6251.8
30°	6152.1
32.5°	5755.0
35°	5237.1
37.5°	4582.4
40°	3803.4
42.5°	3033.8
45°	2346.1
47.5°	1706.6
50°	1160.0
52.5°	796.7
55°	774.7
57.5°	874.4
60°	1021.4
62.5°	1160.8
65°	1165.9
67.5°	1023.1
70°	787.4
72.5°	539.0
75°	354.0
77.5°	234.0
80°	161.4
82.5°	124.2
85°	109.8
87.5°	109.0
90°	120.0
92.5°	145.3
95°	176.6
97.5°	206.1
100°	219.7
102.5°	212.9
105°	191.8
107.5°	165.6
110°	141.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	117.4
115°	95.5
117.5°	77.7
120°	64.2
122.5°	54.9
125°	49.0
127.5°	45.6
130°	44.8
132.5°	45.6
135°	46.5
137.5°	48.2
140°	47.3
142.5°	46.5
145°	44.8
147.5°	43.1
150°	41.4
152.5°	41.4
155°	40.6
157.5°	40.6
160°	40.6
162.5°	39.7
165°	38.0
167.5°	36.3
170°	33.8
172.5°	32.1
175°	32.1
177.5°	32.9
180°	32.9

(END OF REPORT)