

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: P1504836

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504836
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 (6500K_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

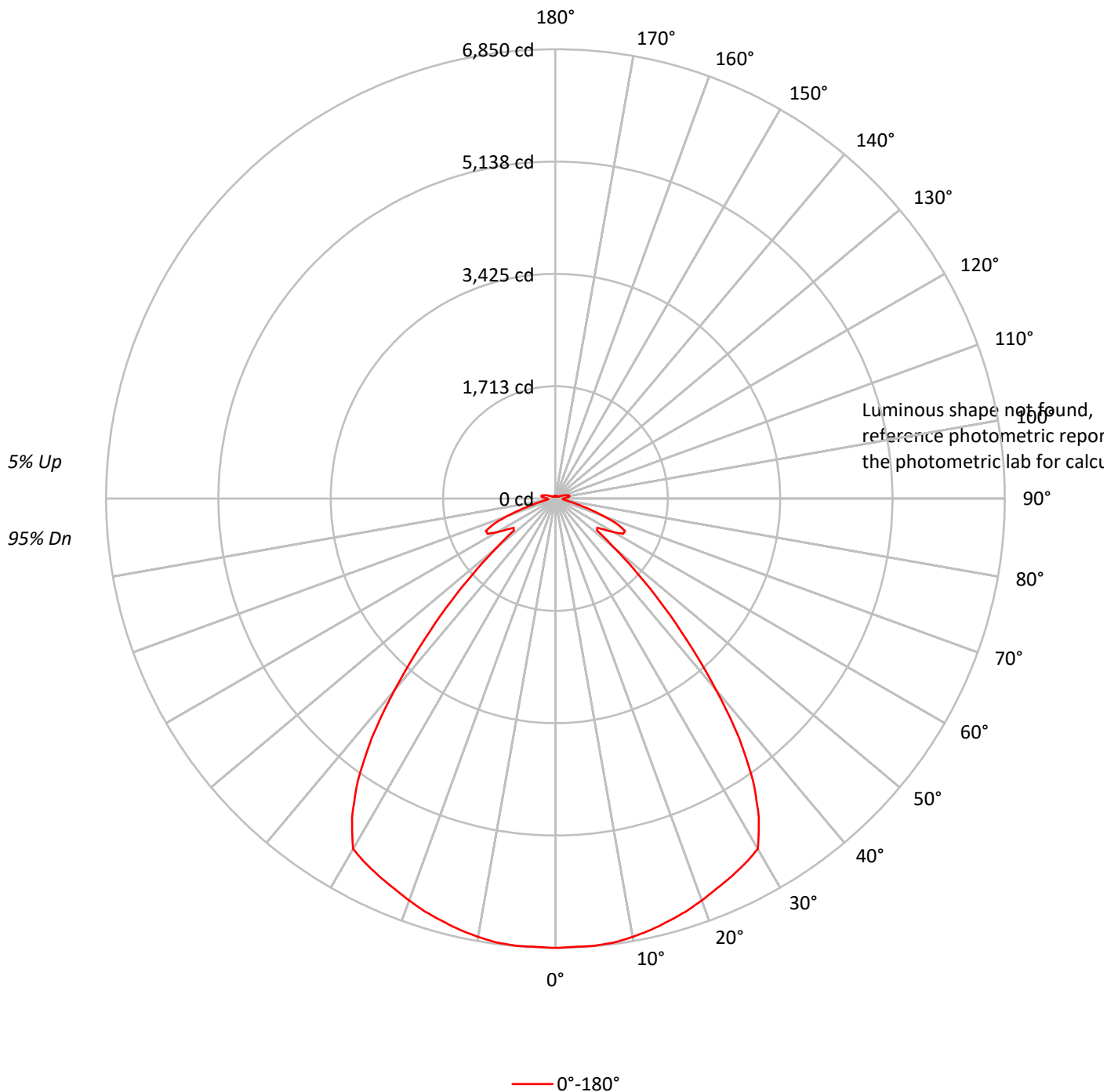
Lumens per Lamp: N/A
Luminaire Lumens: 13548.4 lumens
Efficiency: N/A
Efficacy: 163.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 83
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°	651.5	4.8
10°-20°	1885.6	13.9
20°-30°	2934.9	21.7
30°-40°	3208.0	23.7
40°-50°	1829.6	13.5
50°-60°	795.2	5.9
60°-70°	1057.1	7.8
70°-80°	422.3	3.1
80°-90°	132.2	1.0
90°-100°	190.7	1.4
100°-110°	199.4	1.5
110°-120°	98.4	0.7
120°-130°	46.0	0.3
130°-140°	36.1	0.3
140°-150°	28.2	0.2
150°-160°	19.0	0.1
160°-170°	10.8	0.1
170°-180°	3.1	0.0
0°-30°	5472.0	40.4
0°-40°	8680.1	64.1
0°-60°	11304.9	83.4
0°-90°	12916.5	95.3
90°-120°	488.5	3.6
90°-150°	598.9	4.4
90°-180°	632.0	4.7
0°-180°	13548.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6850	
5°	6845	651
15°	6668	1886
25°	6354	2935
35°	5252	3208
45°	2353	1830
55°	777	795
65°	1169	1057
75°	355	422
85°	110	101
90°	120	68
95°	177	154
105°	192	199
115°	96	98
125°	49	46
135°	47	36
145°	45	28
155°	41	19
165°	38	11
175°	32	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6850.5
2.5°	6840.4
5°	6844.6
7.5°	6827.6
10°	6785.3
12.5°	6735.3
15°	6668.4
17.5°	6604.0
20°	6521.8
22.5°	6434.5
25°	6354.1
27.5°	6269.3
30°	6169.4
32.5°	5771.2
35°	5251.8
37.5°	4595.3
40°	3814.1
42.5°	3042.3
45°	2352.7
47.5°	1711.4
50°	1163.2
52.5°	798.9
55°	776.9
57.5°	876.9
60°	1024.3
62.5°	1164.1
65°	1169.1
67.5°	1026.0
70°	789.6
72.5°	540.5
75°	355.0
77.5°	234.7
80°	161.8
82.5°	124.5
85°	110.1
87.5°	109.3
90°	120.3
92.5°	145.7
95°	177.1
97.5°	206.7
100°	220.3
102.5°	213.5
105°	192.3
107.5°	166.1
110°	141.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	117.8
115°	95.7
117.5°	77.9
120°	64.4
122.5°	55.1
125°	49.1
127.5°	45.7
130°	44.9
132.5°	45.7
135°	46.6
137.5°	48.3
140°	47.4
142.5°	46.6
145°	44.9
147.5°	43.2
150°	41.5
152.5°	41.5
155°	40.7
157.5°	40.7
160°	40.7
162.5°	39.8
165°	38.1
167.5°	36.4
170°	33.9
172.5°	32.2
175°	32.2
177.5°	33.0
180°	33.0

(END OF REPORT)