

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: P1504476

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504476
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-45)
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 (6500K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

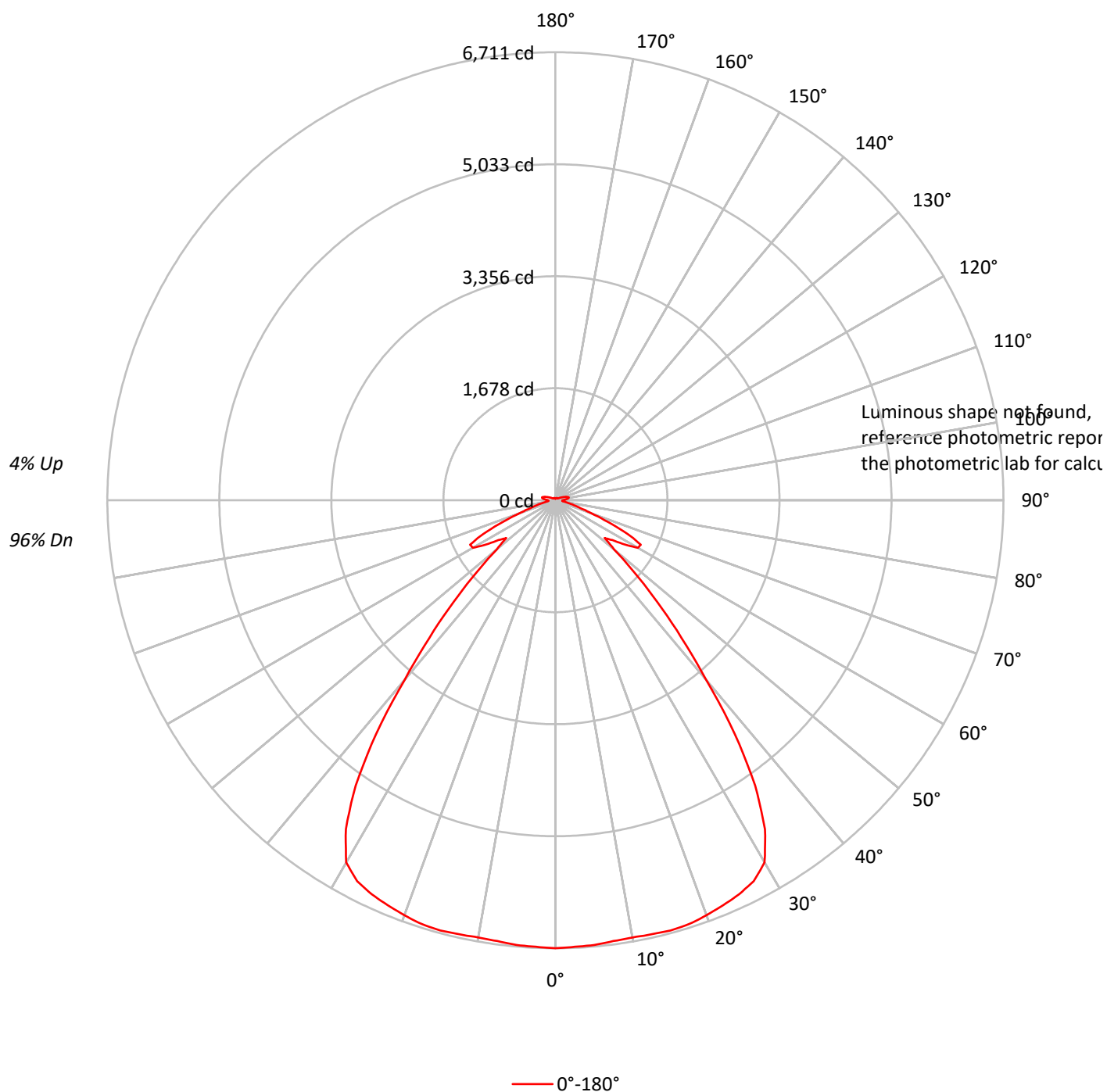
Lumens per Lamp: N/A
Luminaire Lumens: 13557.0 lumens
Efficiency: N/A
Efficacy: 163.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	86	86	86	86	84			
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	79	76	76	76	76	74	74			
3	94	86	79	73	92	84	77	72	80	75	71	77	73	69	74	70	67	67	67	67	65	65			
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	60	60	60	58	58			
5	82	70	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	54	54	54	52	52			
6	76	64	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	49	49	49	47	47			
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	44	44	44	42	42			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	40	40	40	39	39			
9	63	51	43	38	61	50	43	38	49	42	38	47	41	37	46	41	37	37	37	37	35	35			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	34	32	32			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	636.7	4.7
10°-20°	1886.3	13.9
20°-30°	2998.4	22.1
30°-40°	3163.4	23.3
40°-50°	1695.1	12.5
50°-60°	1010.3	7.5
60°-70°	1107.2	8.2
70°-80°	329.4	2.4
80°-90°	123.4	0.9
90°-100°	174.1	1.3
100°-110°	194.8	1.4
110°-120°	101.9	0.8
120°-130°	46.5	0.3
130°-140°	33.5	0.2
140°-150°	26.0	0.2
150°-160°	18.0	0.1
160°-170°	9.7	0.1
170°-180°	2.5	0.0
0°-30°	5521.5	40.7
0°-40°	8684.9	64.1
0°-60°	11390.3	84.0
0°-90°	12950.1	95.5
90°-120°	470.8	3.5
90°-150°	576.7	4.3
90°-180°	607.0	4.5
0°-180°	13557.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6711	
5°	6687	637
15°	6672	1886
25°	6511	2998
35°	5219	3163
45°	2152	1695
55°	1040	1010
65°	1194	1107
75°	287	329
85°	102	94
90°	113	63
95°	160	140
105°	189	195
115°	100	102
125°	49	46
135°	43	33
145°	41	26
155°	39	18
165°	34	10
175°	25	2
180°	23	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6710.7
2.5°	6696.3
5°	6687.0
7.5°	6659.9
10°	6649.7
12.5°	6659.9
15°	6671.8
17.5°	6657.4
20°	6615.8
22.5°	6565.9
25°	6510.8
27.5°	6432.0
30°	6265.1
32.5°	5841.5
35°	5218.8
37.5°	4410.6
40°	3513.4
42.5°	2793.2
45°	2151.9
47.5°	1608.8
50°	1148.0
52.5°	928.5
55°	1039.5
57.5°	1233.5
60°	1426.7
62.5°	1441.1
65°	1193.7
67.5°	852.3
70°	571.9
72.5°	396.5
75°	287.2
77.5°	206.7
80°	150.0
82.5°	116.1
85°	102.5
87.5°	102.5
90°	112.7
92.5°	133.0
95°	160.1
97.5°	187.2
100°	204.2
102.5°	203.3
105°	188.9
107.5°	168.6
110°	145.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	122.0
115°	100.0
117.5°	80.5
120°	66.1
122.5°	56.8
125°	49.1
127.5°	45.7
130°	43.2
132.5°	43.2
135°	43.2
137.5°	43.2
140°	43.2
142.5°	42.4
145°	40.7
147.5°	40.7
150°	39.8
152.5°	39.8
155°	39.0
157.5°	38.1
160°	37.3
162.5°	36.4
165°	33.9
167.5°	31.3
170°	28.8
172.5°	26.3
175°	24.6
177.5°	23.7
180°	22.9

(END OF REPORT)