

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: P1504449

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504449
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 (3500K_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

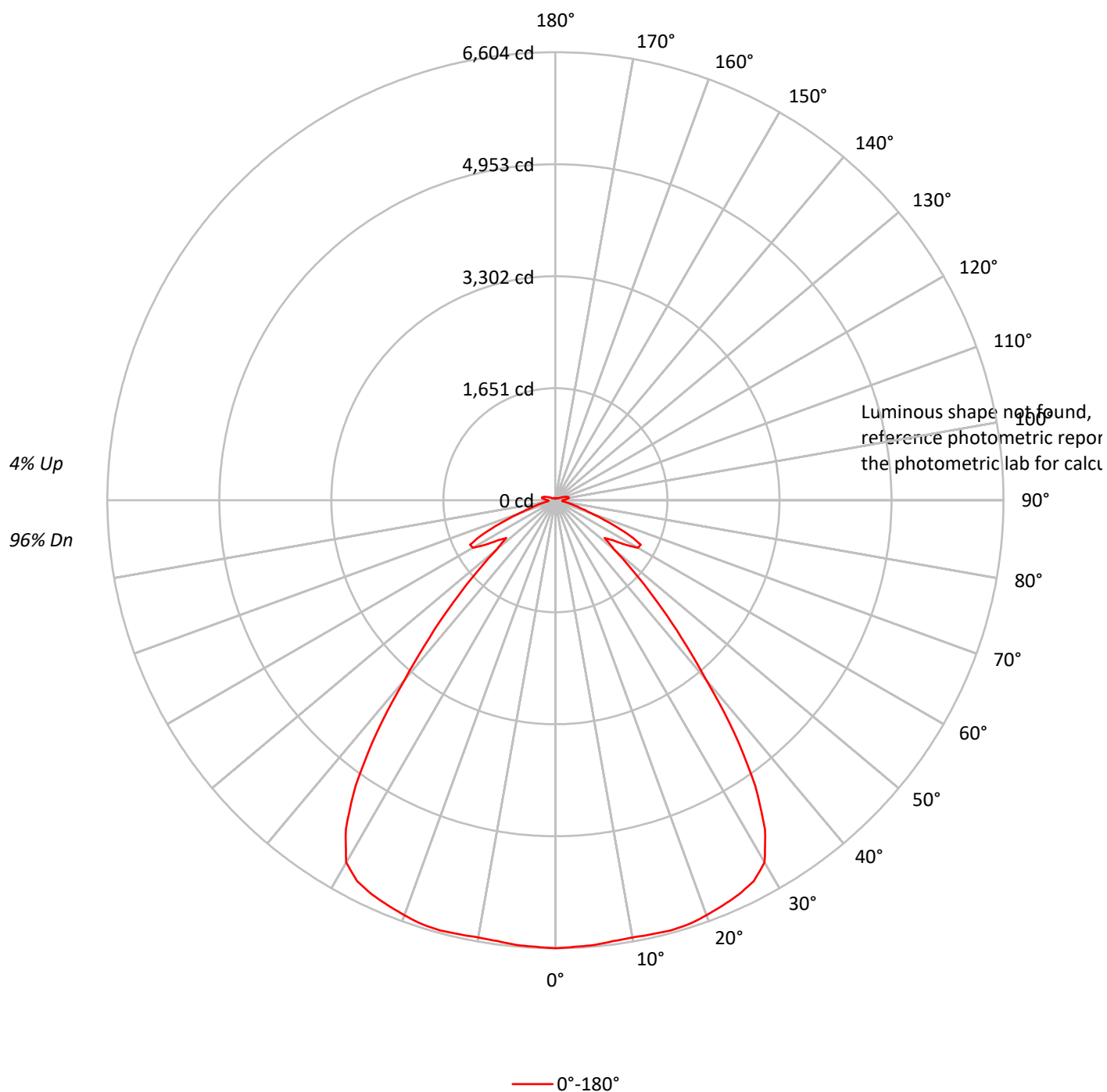
Lumens per Lamp: N/A
Luminaire Lumens: 13340.8 lumens
Efficiency: N/A
Efficacy: 163.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.7
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	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°	626.6	4.7
10°-20°	1856.2	13.9
20°-30°	2950.6	22.1
30°-40°	3112.9	23.3
40°-50°	1668.1	12.5
50°-60°	994.2	7.5
60°-70°	1089.5	8.2
70°-80°	324.1	2.4
80°-90°	121.4	0.9
90°-100°	171.3	1.3
100°-110°	191.7	1.4
110°-120°	100.2	0.8
120°-130°	45.7	0.3
130°-140°	32.9	0.2
140°-150°	25.6	0.2
150°-160°	17.7	0.1
160°-170°	9.5	0.1
170°-180°	2.4	0.0
0°-30°	5433.4	40.7
0°-40°	8546.3	64.1
0°-60°	11208.6	84.0
0°-90°	12743.6	95.5
90°-120°	463.3	3.5
90°-150°	567.5	4.3
90°-180°	597.0	4.5
0°-180°	13340.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6604	
5°	6580	627
15°	6565	1856
25°	6407	2951
35°	5136	3113
45°	2118	1668
55°	1023	994
65°	1175	1089
75°	283	324
85°	101	92
90°	111	62
95°	158	138
105°	186	192
115°	98	100
125°	48	46
135°	42	33
145°	40	26
155°	38	18
165°	33	10
175°	24	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6603.7
2.5°	6589.5
5°	6580.4
7.5°	6553.7
10°	6543.7
12.5°	6553.7
15°	6565.4
17.5°	6551.2
20°	6510.3
22.5°	6461.2
25°	6407.0
27.5°	6329.4
30°	6165.2
32.5°	5748.3
35°	5135.6
37.5°	4340.2
40°	3457.3
42.5°	2748.7
45°	2117.6
47.5°	1583.2
50°	1129.7
52.5°	913.7
55°	1022.9
57.5°	1213.9
60°	1403.9
62.5°	1418.1
65°	1174.7
67.5°	838.7
70°	562.7
72.5°	390.2
75°	282.6
77.5°	203.4
80°	147.6
82.5°	114.2
85°	100.9
87.5°	100.9
90°	110.9
92.5°	130.9
95°	157.6
97.5°	184.2
100°	200.9
102.5°	200.1
105°	185.9
107.5°	165.9
110°	143.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	120.1
115°	98.4
117.5°	79.2
120°	65.0
122.5°	55.9
125°	48.4
127.5°	45.0
130°	42.5
132.5°	42.5
135°	42.5
137.5°	42.5
140°	42.5
142.5°	41.7
145°	40.0
147.5°	40.0
150°	39.2
152.5°	39.2
155°	38.4
157.5°	37.5
160°	36.7
162.5°	35.8
165°	33.3
167.5°	30.8
170°	28.3
172.5°	25.8
175°	24.2
177.5°	23.3
180°	22.5

(END OF REPORT)