

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: P1504756

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504756
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-53)
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-BLAK-PS (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

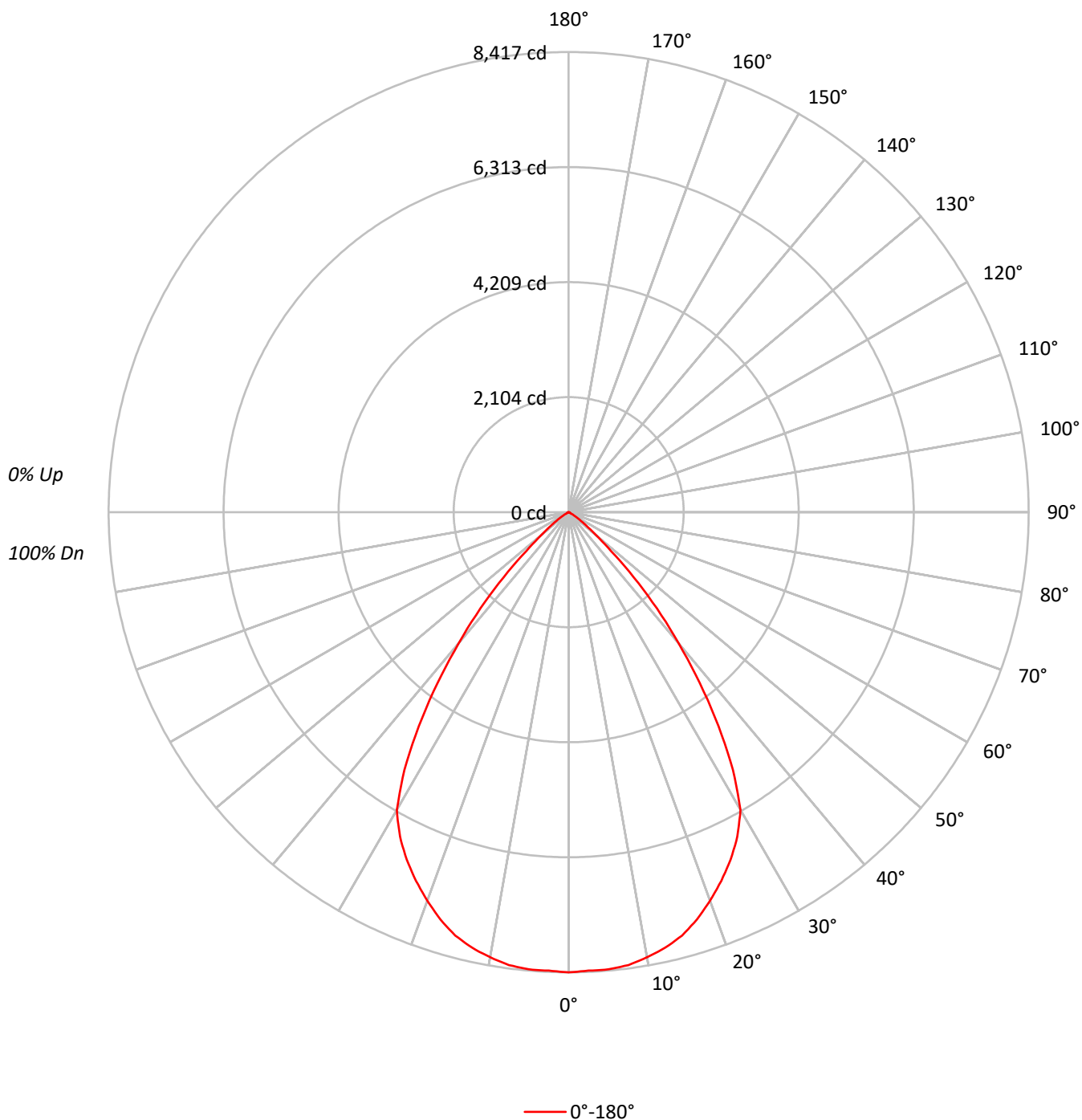
Lumens per Lamp: N/A
Luminaire Lumens: 10851.2 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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					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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92							
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85							
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78							
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71							
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65							
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60							
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55							
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51							
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47							
10	67	56	50	46	66	56	50	46	55	50	46	54	49	45	54	49	45	44							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68258
5°	68337
10°	68077
15°	67306
20°	65257
25°	62741
30°	58873
35°	47317
40°	33073
45°	19328
50°	8132
55°	3785
60°	1019
65°	482
70°	505
75°	514
80°	495
85°	540

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19328 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.3	7.3
10°-20°	2250.7	20.7
20°-30°	3213.8	29.6
30°-40°	2947.0	27.2
40°-50°	1329.6	12.3
50°-60°	258.5	2.4
60°-70°	31.3	0.3
70°-80°	17.0	0.2
80°-90°	6.2	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6261.8	57.7
0°-40°	9208.7	84.9
0°-60°	10796.8	99.5
0°-90°	10851.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10851.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8417	
5°	8395	797
15°	8017	2251
25°	7012	3214
35°	4780	2947
45°	1685	1330
55°	268	258
65°	25	31
75°	16	17
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8417.0
2.5°	8393.8
5°	8394.7
7.5°	8356.1
10°	8267.2
12.5°	8160.9
15°	8016.9
17.5°	7810.1
20°	7561.7
22.5°	7297.9
25°	7011.9
27.5°	6685.3
30°	6287.1
32.5°	5590.4
35°	4779.6
37.5°	3939.8
40°	3124.2
42.5°	2386.9
45°	1685.3
47.5°	1050.4
50°	644.6
52.5°	412.6
55°	267.7
57.5°	140.1
60°	62.8
62.5°	36.7
65°	25.1
67.5°	23.2
70°	21.3
72.5°	18.4
75°	16.4
77.5°	13.5
80°	10.6
82.5°	8.7
85°	5.8
87.5°	2.9
90°	0.0

(END OF REPORT)