

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: P1504396

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504396
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-41)
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-BLAK-PS (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

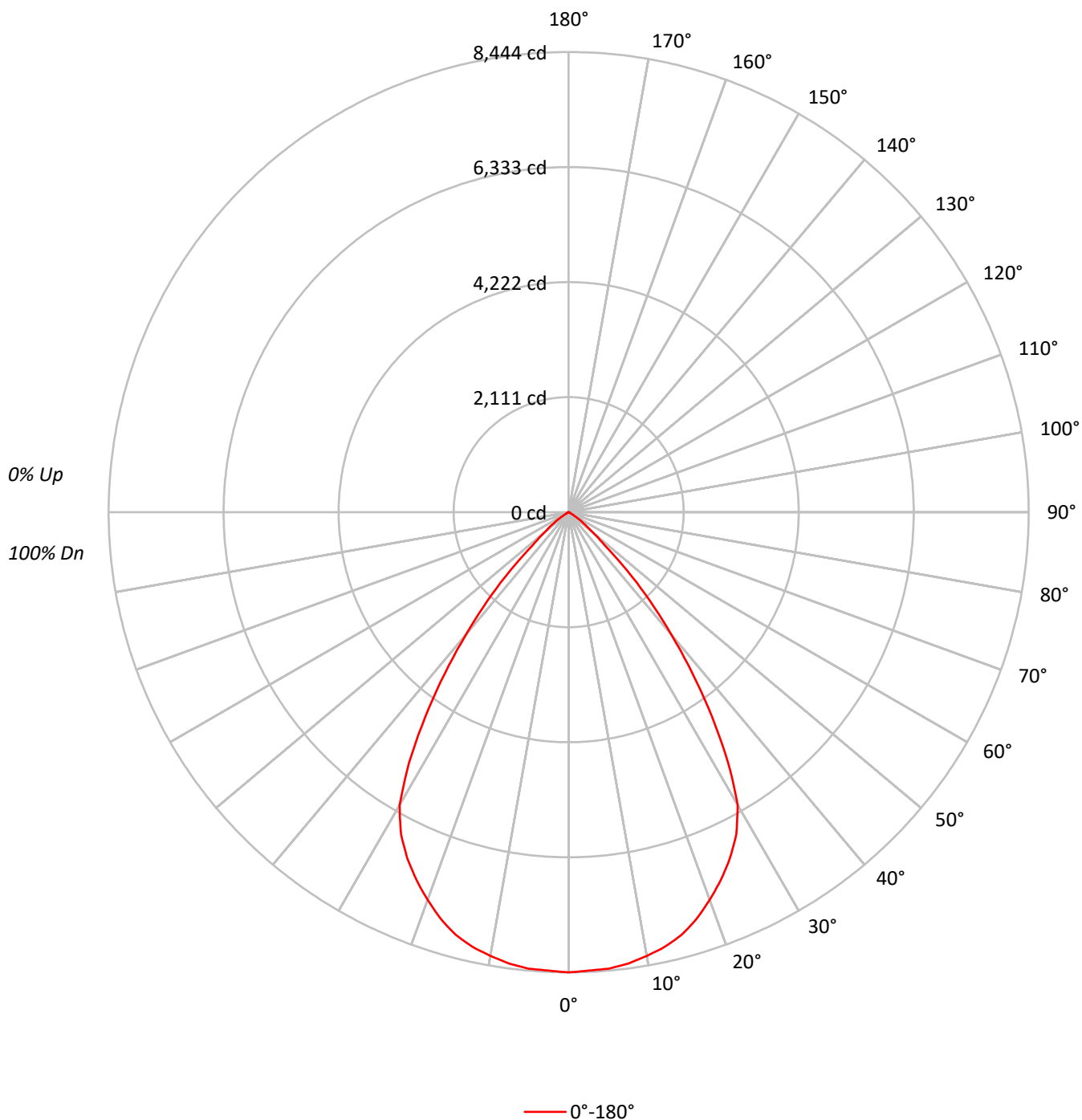
Lumens per Lamp: N/A
Luminaire Lumens: 10597.1 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		93
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85		85
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78		78
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71		71
5	90	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66		66
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60		60
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56		56
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	56	53	52		52
9	71	61	54	50	70	60	54	50	59	54	50	58	53	49	57	53	49	48		48
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69363
5°	69334
10°	68950
15°	68260
20°	66161
25°	63501
30°	58864
35°	46001
40°	31399
45°	17602
50°	7571
55°	3585
60°	872
65°	432
70°	488
75°	521
80°	549
85°	547

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17602 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.0	7.5
10°-20°	2252.8	21.3
20°-30°	3205.8	30.3
30°-40°	2840.0	26.8
40°-50°	1208.4	11.4
50°-60°	240.7	2.3
60°-70°	27.6	0.3
70°-80°	17.2	0.2
80°-90°	6.6	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°	6256.6	59.0
0°-40°	9096.6	85.8
0°-60°	10545.7	99.5
0°-90°	10597.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10597.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8444	
5°	8408	798
15°	8027	2253
25°	7006	3206
35°	4587	2840
45°	1515	1208
55°	250	241
65°	22	28
75°	16	17
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8444.0
2.5°	8418.9
5°	8408.3
7.5°	8356.1
10°	8266.2
12.5°	8167.6
15°	8026.6
17.5°	7819.8
20°	7568.5
22.5°	7302.8
25°	7006.1
27.5°	6663.0
30°	6205.9
32.5°	5449.3
35°	4587.3
37.5°	3739.8
40°	2928.1
42.5°	2207.2
45°	1515.2
47.5°	892.9
50°	592.4
52.5°	398.1
55°	250.3
57.5°	122.7
60°	53.1
62.5°	31.9
65°	22.2
67.5°	21.3
70°	20.3
72.5°	18.4
75°	16.4
77.5°	14.5
80°	11.6
82.5°	9.7
85°	5.8
87.5°	2.9
90°	0.0

(END OF REPORT)