

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: P1504434

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504434
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-42)
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 (6500K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

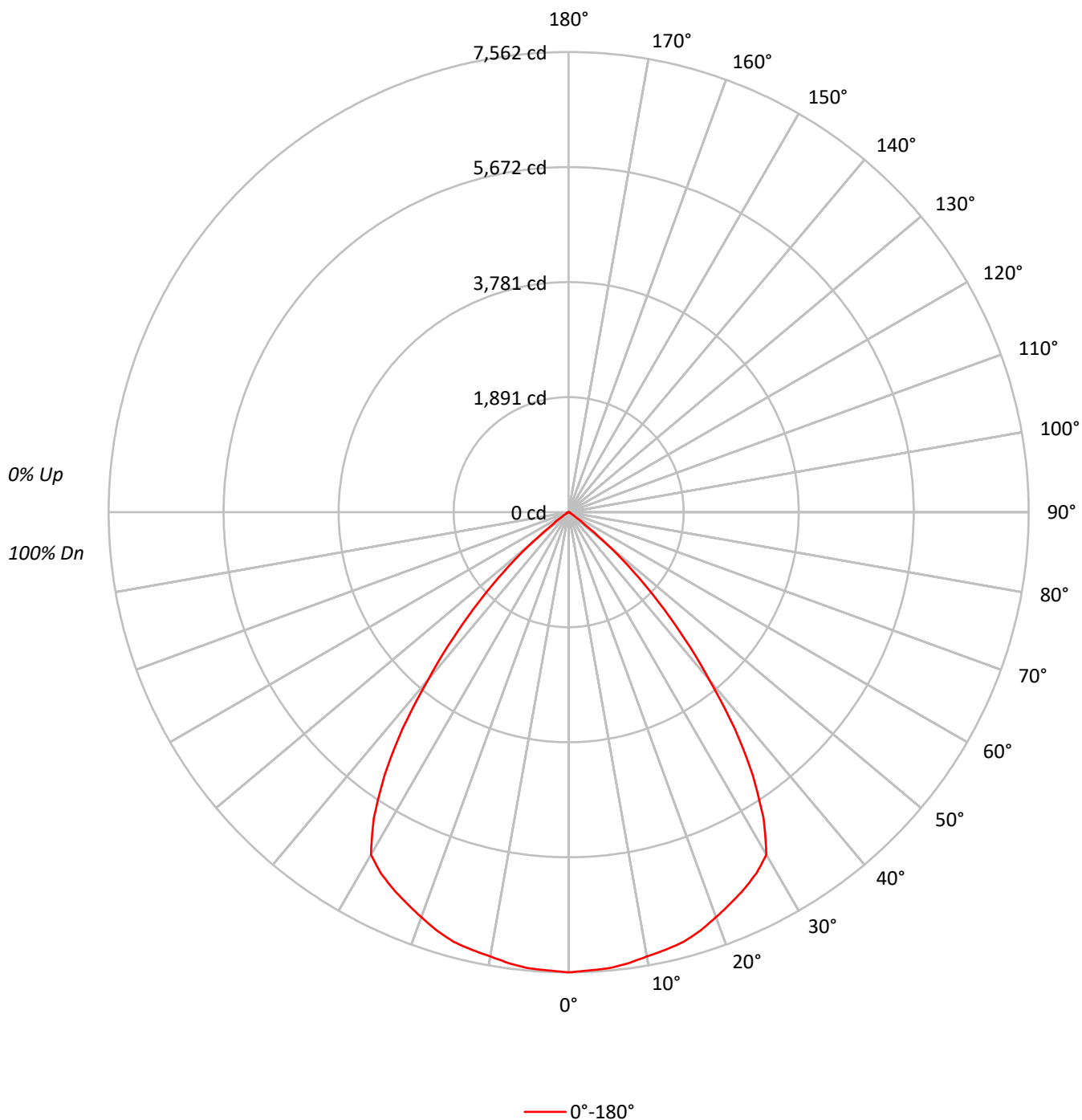
Lumens per Lamp: N/A
Luminaire Lumens: 11060.8 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 102.5
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
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	96	95	94			92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86			84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78			77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71			70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65			64
6	83	73	66	61	82	72	66	61	71	65	61	69	64	60	68	63	60			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55			53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51			49
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47			45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43			42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62114
5°	62051
10°	61839
15°	62152
20°	61914
25°	61910
30°	61640
35°	52873
40°	38571
45°	24392
50°	10661
55°	2175
60°	766
65°	550
70°	632
75°	676
80°	672
85°	669

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24392 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.5	6.5
10°-20°	2059.6	18.6
20°-30°	3147.2	28.5
30°-40°	3224.8	29.2
40°-50°	1630.9	14.7
50°-60°	222.4	2.0
60°-70°	31.5	0.3
70°-80°	22.2	0.2
80°-90°	7.7	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°	5921.3	53.5
0°-40°	9146.1	82.7
0°-60°	10999.4	99.4
0°-90°	11060.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11060.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7562	
5°	7525	715
15°	7308	2060
25°	6831	3147
35°	5272	3225
45°	2100	1631
55°	152	222
65°	28	32
75°	21	22
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7561.5
2.5°	7538.2
5°	7525.1
7.5°	7476.5
10°	7413.7
12.5°	7365.1
15°	7308.4
17.5°	7207.2
20°	7082.7
22.5°	6957.1
25°	6830.6
27.5°	6685.8
30°	6498.5
32.5°	5957.9
35°	5272.5
37.5°	4482.9
40°	3597.0
42.5°	2817.5
45°	2099.7
47.5°	1441.6
50°	834.2
52.5°	337.1
55°	151.9
57.5°	88.1
60°	46.6
62.5°	35.4
65°	28.3
67.5°	27.3
70°	26.3
72.5°	24.3
75°	21.3
77.5°	18.2
80°	14.2
82.5°	11.1
85°	7.1
87.5°	3.0
90°	0.0

(END OF REPORT)