

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: P1504785

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504785
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-54)
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 (5000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

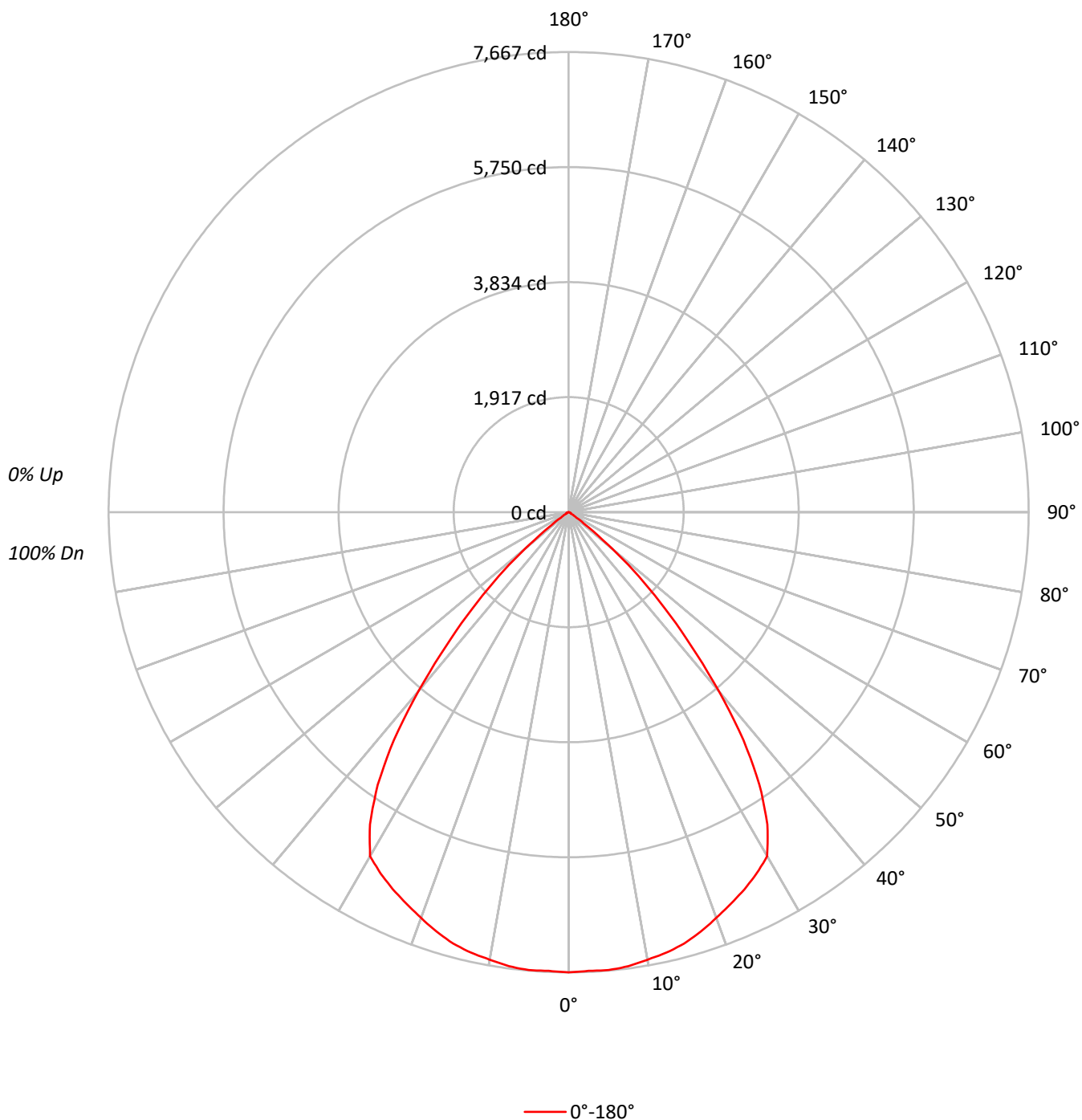
Lumens per Lamp: N/A
Luminaire Lumens: 11492.8 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.16
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 100.1
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	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92							
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84							
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76							
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69							
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63							
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58							
7	78	67	60	56	76	67	60	56	65	59	55	64	59	55	63	58	55	53							
8	73	63	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49							
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45							
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62178
5°	62340
10°	62343
15°	62461
20°	62082
25°	62031
30°	61970
35°	54895
40°	41180
45°	26078
50°	11934
55°	2391
60°	881
65°	610
70°	631
75°	642
80°	621
85°	568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26078 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.1	6.3
10°-20°	2096.8	18.2
20°-30°	3195.9	27.8
30°-40°	3382.2	29.4
40°-50°	1768.6	15.4
50°-60°	258.2	2.2
60°-70°	34.8	0.3
70°-80°	21.2	0.2
80°-90°	6.8	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°	6020.9	52.4
0°-40°	9403.1	81.8
0°-60°	11430.0	99.5
0°-90°	11492.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11492.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7667	
5°	7658	728
15°	7440	2097
25°	6932	3196
35°	5545	3382
45°	2274	1769
55°	169	258
65°	32	35
75°	20	21
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7667.3
2.5°	7648.8
5°	7658.0
7.5°	7630.4
10°	7570.9
12.5°	7517.7
15°	7439.8
17.5°	7326.0
20°	7193.8
22.5°	7060.6
25°	6932.5
27.5°	6786.0
30°	6617.9
32.5°	6166.0
35°	5545.0
37.5°	4784.6
40°	3890.0
42.5°	3022.0
45°	2273.9
47.5°	1580.2
50°	945.9
52.5°	410.9
55°	169.1
57.5°	101.5
60°	54.3
62.5°	40.0
65°	31.8
67.5°	28.7
70°	26.6
72.5°	23.6
75°	20.5
77.5°	16.4
80°	13.3
82.5°	9.2
85°	6.1
87.5°	3.1
90°	0.0

(END OF REPORT)