

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: P1504797

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504797
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 (6500K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

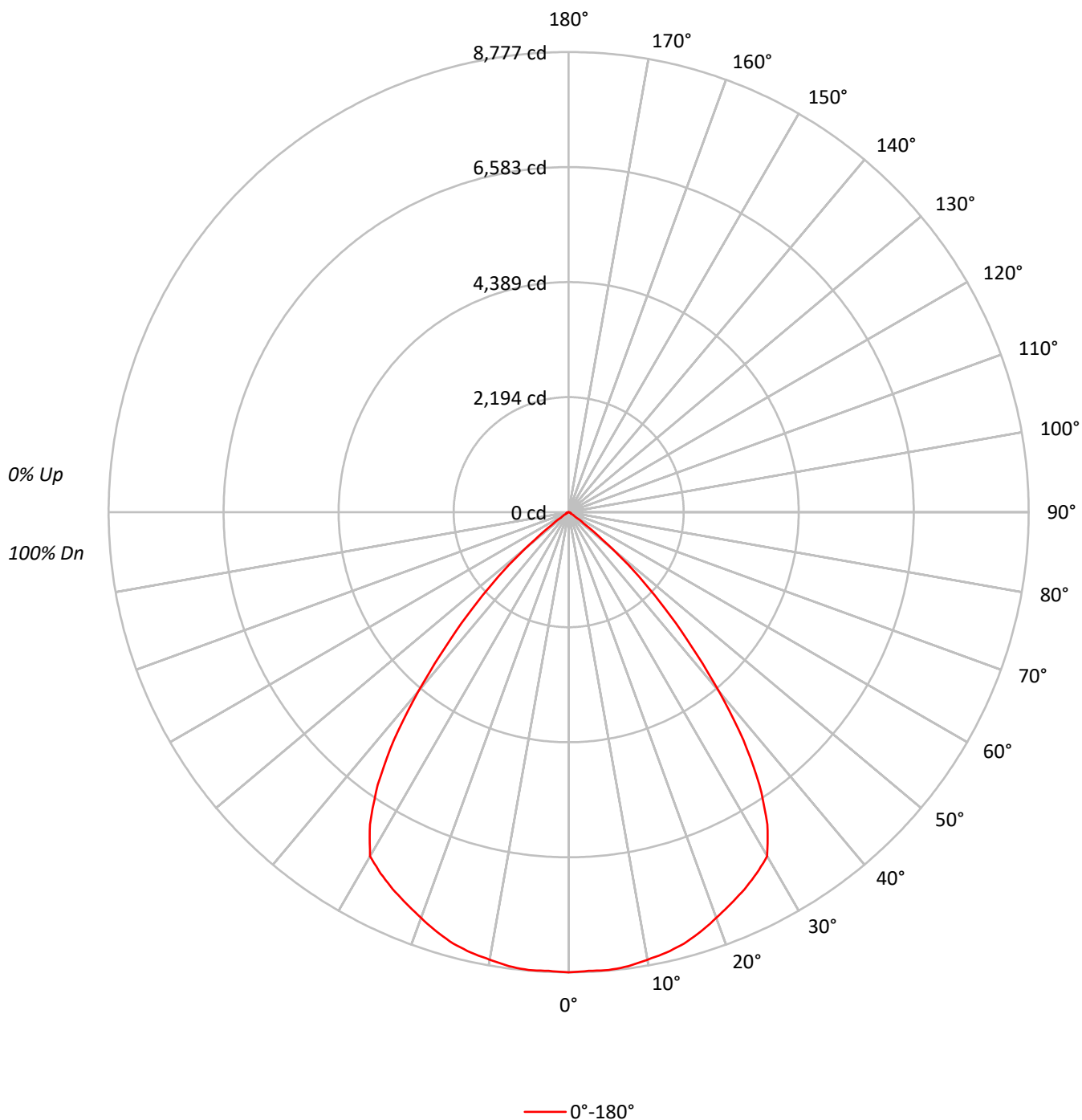
Lumens per Lamp: N/A
Luminaire Lumens: 13156.5 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.16
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 123.3
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	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°	71179
5°	71364
10°	71368
15°	71503
20°	71069
25°	71011
30°	70941
35°	62841
40°	47141
45°	29854
50°	13661
55°	2737
60°	1009
65°	698
70°	723
75°	736
80°	715
85°	651

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29854 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	833.5	6.3
10°-20°	2400.4	18.2
20°-30°	3658.6	27.8
30°-40°	3871.9	29.4
40°-50°	2024.6	15.4
50°-60°	295.6	2.2
60°-70°	39.9	0.3
70°-80°	24.3	0.2
80°-90°	7.8	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°	6892.5	52.4
0°-40°	10764.4	81.8
0°-60°	13084.5	99.5
0°-90°	13156.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13156.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8777	
5°	8767	834
15°	8517	2400
25°	7936	3659
35°	6348	3872
45°	2603	2025
55°	194	296
65°	36	40
75°	24	24
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8777.2
2.5°	8756.1
5°	8766.6
7.5°	8735.0
10°	8666.9
12.5°	8605.9
15°	8516.8
17.5°	8386.5
20°	8235.2
22.5°	8082.7
25°	7936.1
27.5°	7768.3
30°	7575.9
32.5°	7058.6
35°	6347.7
37.5°	5477.2
40°	4453.1
42.5°	3459.5
45°	2603.1
47.5°	1808.9
50°	1082.8
52.5°	470.4
55°	193.6
57.5°	116.1
60°	62.2
62.5°	45.8
65°	36.4
67.5°	32.8
70°	30.5
72.5°	27.0
75°	23.5
77.5°	18.8
80°	15.3
82.5°	10.6
85°	7.0
87.5°	3.5
90°	0.0

(END OF REPORT)