

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: P1504353

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504353
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-24)
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-04-WHGL-PS (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

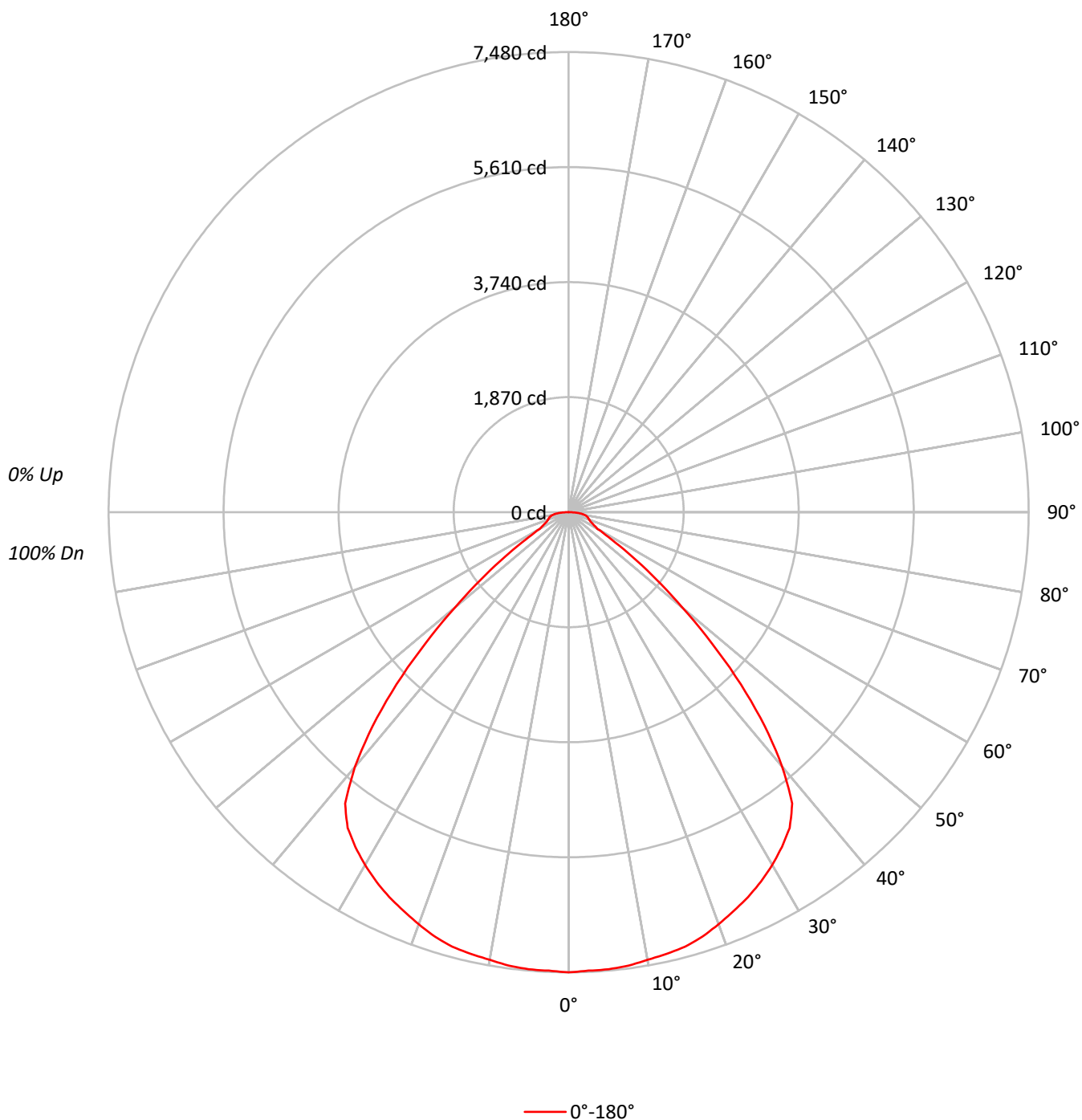
Lumens per Lamp: N/A
Luminaire Lumens: 14947.5 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91			89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71			70
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64			62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57			55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51			50
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47			45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42			41
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39			37
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35			34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68310
5°	68376
10°	68522
15°	69139
20°	69285
25°	69549
30°	69818
35°	69837
40°	64449
45°	51124
50°	34258
55°	20172
60°	9867
65°	9042
70°	9522
75°	11355
80°	13974
85°	17112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 51124 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.7	4.7
10°-20°	2062.7	13.8
20°-30°	3182.8	21.3
30°-40°	3865.5	25.9
40°-50°	3017.7	20.2
50°-60°	1185.1	7.9
60°-70°	424.0	2.8
70°-80°	335.5	2.2
80°-90°	164.5	1.1
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°	5955.2	39.8
0°-40°	9820.7	65.7
0°-60°	14023.5	93.8
0°-90°	14947.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14947.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7480	
5°	7458	710
15°	7312	2063
25°	6902	3183
35°	6264	3865
45°	3958	3018
55°	1267	1185
65°	418	424
75°	322	336
85°	163	165
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7479.6
2.5°	7459.3
5°	7458.3
7.5°	7435.1
10°	7388.8
12.5°	7353.0
15°	7312.4
17.5°	7234.1
20°	7128.8
22.5°	7014.8
25°	6901.7
27.5°	6772.2
30°	6620.5
32.5°	6452.4
35°	6263.9
37.5°	5970.2
40°	5405.8
42.5°	4721.6
45°	3958.2
47.5°	3163.9
50°	2411.1
52.5°	1791.6
55°	1266.9
57.5°	822.4
60°	540.2
62.5°	469.6
65°	418.4
67.5°	376.9
70°	356.6
72.5°	337.3
75°	321.8
77.5°	299.6
80°	265.7
82.5°	223.2
85°	163.3
87.5°	85.0
90°	0.0

(END OF REPORT)