

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: P1504433

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504433
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-40)
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_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

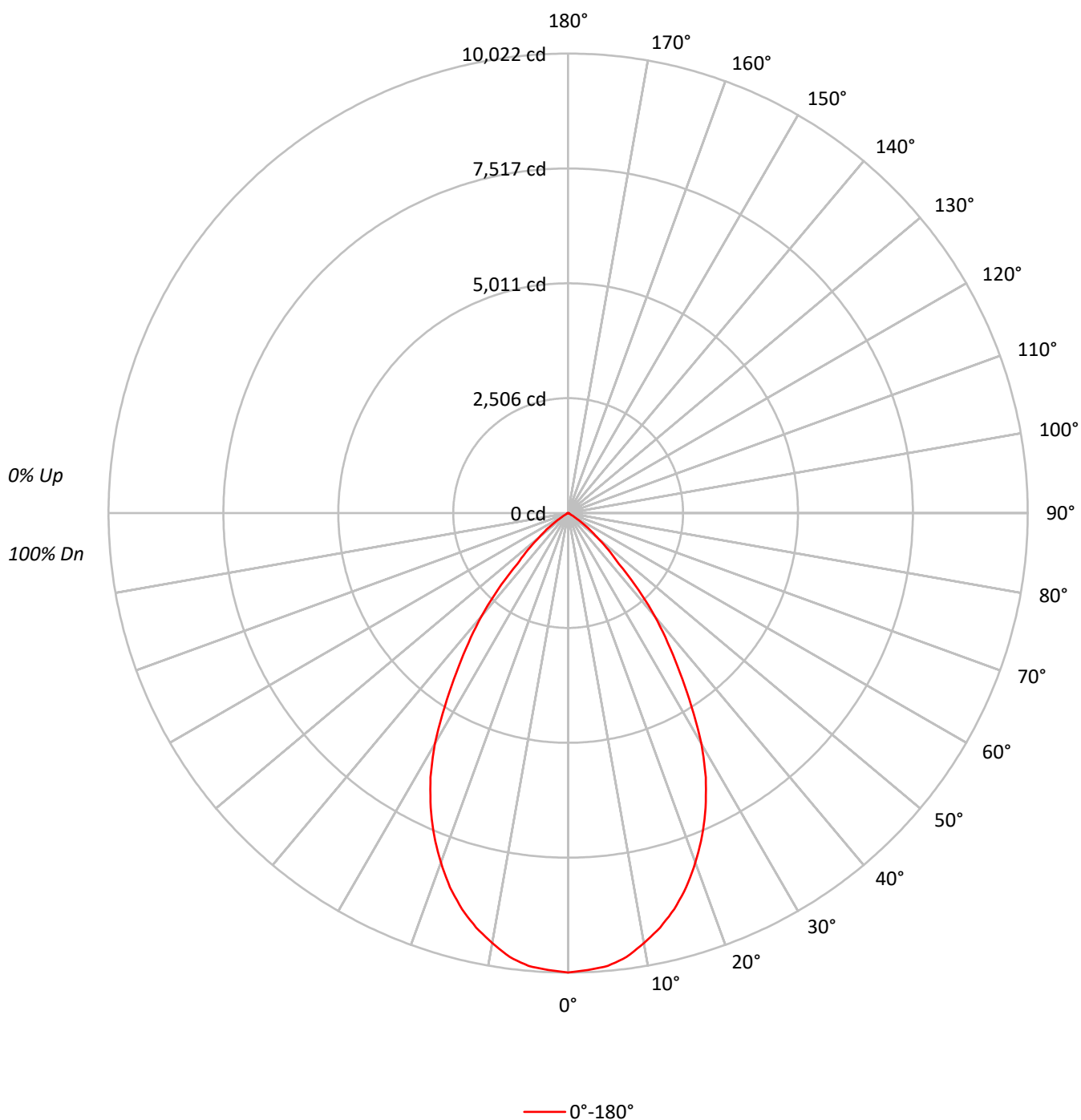
Lumens per Lamp: N/A
Luminaire Lumens: 11033.7 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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	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	111	108	106	103	104	102	100	100	99	97	97	96	94	93							
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85							
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78							
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72							
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66							
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61							
7	80	70	64	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56							
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52							
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49							
10	68	58	51	47	67	57	51	47	56	51	47	56	50	47	55	50	47	45							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82322
5°	81760
10°	79446
15°	76048
20°	70906
25°	64278
30°	55159
35°	42579
40°	31472
45°	18170
50°	10388
55°	5002
60°	1081
65°	393
70°	437
75°	482
80°	478
85°	481

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18170 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	934.0	8.5
10°-20°	2501.2	22.7
20°-30°	3230.0	29.3
30°-40°	2665.8	24.2
40°-50°	1314.7	11.9
50°-60°	338.3	3.1
60°-70°	28.2	0.3
70°-80°	15.8	0.1
80°-90°	5.8	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°	6665.2	60.4
0°-40°	9330.9	84.6
0°-60°	10983.9	99.5
0°-90°	11033.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11033.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10022	
5°	9915	934
15°	8942	2501
25°	7092	3230
35°	4246	2666
45°	1564	1315
55°	349	338
65°	20	28
75°	15	16
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10021.6
2.5°	9975.1
5°	9915.3
7.5°	9766.5
10°	9524.6
12.5°	9260.3
15°	8942.4
17.5°	8559.8
20°	8111.3
22.5°	7628.4
25°	7091.8
27.5°	6496.5
30°	5815.2
32.5°	5003.2
35°	4246.0
37.5°	3573.7
40°	2934.9
42.5°	2275.9
45°	1564.1
47.5°	1193.6
50°	812.9
52.5°	592.2
55°	349.3
57.5°	157.9
60°	65.8
62.5°	33.4
65°	20.2
67.5°	19.2
70°	18.2
72.5°	17.2
75°	15.2
77.5°	13.2
80°	10.1
82.5°	8.1
85°	5.1
87.5°	3.0
90°	0.0

(END OF REPORT)