

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: P1504775

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504775
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-52)
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 (4000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

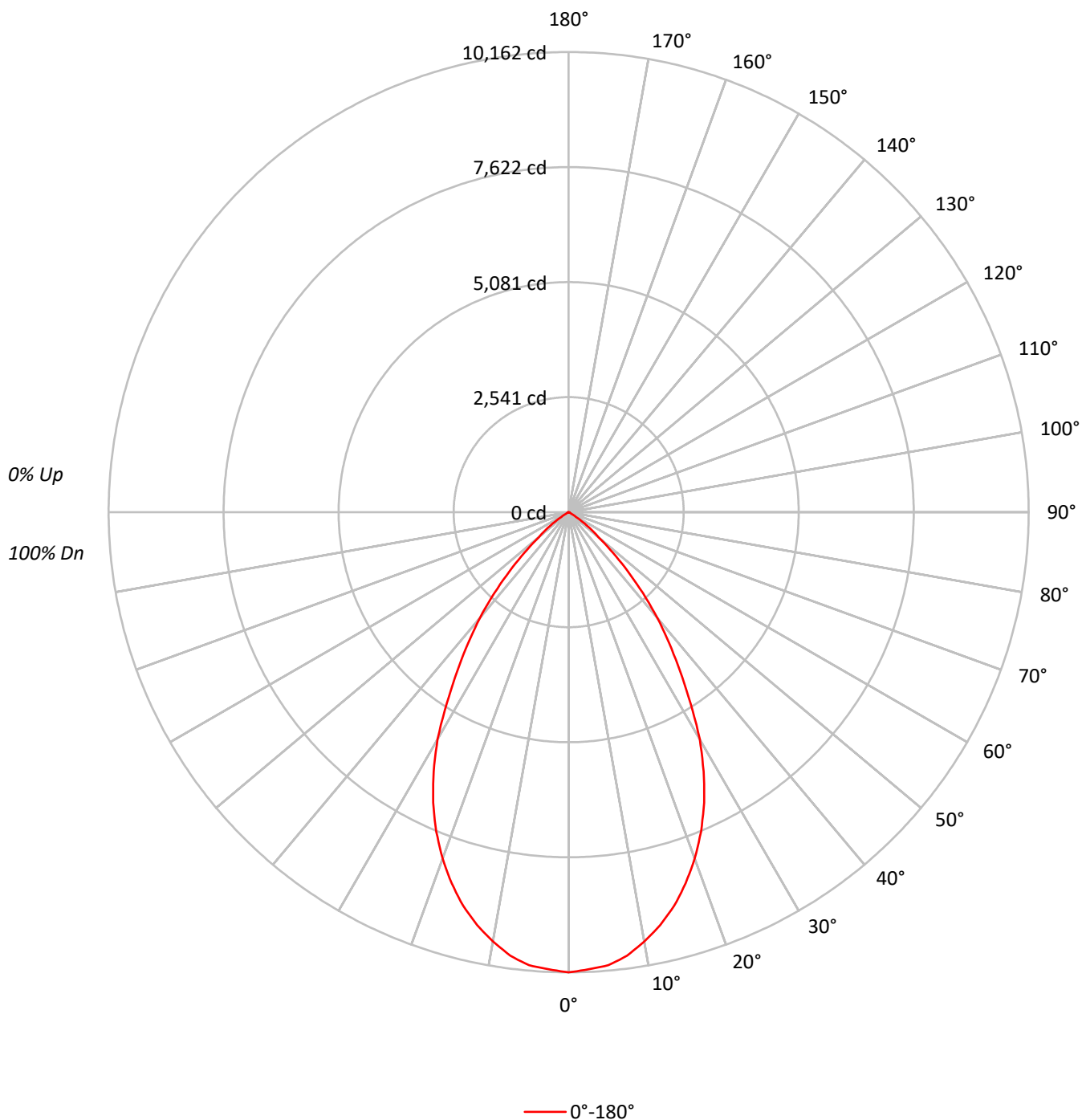
Lumens per Lamp: N/A
Luminaire Lumens: 11236.9 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.96
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 99.5
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
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	105	103	104	102	100	100	99	97	97	95	94	93								
2	107	102	97	93	105	100	96	92	97	93	90	93	91	88	91	89	87	85								
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78								
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71								
5	90	80	74	69	88	79	74	69	78	72	68	76	71	68	74	70	67	66								
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60								
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56								
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52								
9	71	61	55	50	70	60	54	50	59	54	50	59	53	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82407
5°	81761
10°	79265
15°	75554
20°	70237
25°	63333
30°	54202
35°	42411
40°	32302
45°	21090
50°	10919
55°	5465
60°	1270
65°	449
70°	434
75°	445
80°	430
85°	475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21090 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	945.3	8.4
10°-20°	2516.5	22.4
20°-30°	3223.5	28.7
30°-40°	2692.5	24.0
40°-50°	1439.1	12.8
50°-60°	367.9	3.3
60°-70°	32.1	0.3
70°-80°	14.6	0.1
80°-90°	5.4	0.0
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°	6685.2	59.5
0°-40°	9377.8	83.5
0°-60°	11184.7	99.5
0°-90°	11236.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11236.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10162	
5°	10044	945
15°	8999	2517
25°	7078	3223
35°	4284	2693
45°	1839	1439
55°	386	368
65°	23	32
75°	14	15
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10161.8
2.5°	10105.9
5°	10043.8
7.5°	9880.1
10°	9625.8
12.5°	9340.0
15°	8999.3
17.5°	8592.4
20°	8138.8
22.5°	7637.4
25°	7078.0
27.5°	6453.5
30°	5788.3
32.5°	5007.2
35°	4284.0
37.5°	3646.3
40°	3051.3
42.5°	2427.8
45°	1838.9
47.5°	1327.3
50°	865.5
52.5°	626.5
55°	386.5
57.5°	187.1
60°	78.3
62.5°	38.6
65°	23.4
67.5°	20.3
70°	18.3
72.5°	16.3
75°	14.2
77.5°	11.2
80°	9.2
82.5°	7.1
85°	5.1
87.5°	3.1
90°	0.0

(END OF REPORT)