

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: P1504778

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (4000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504778
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_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

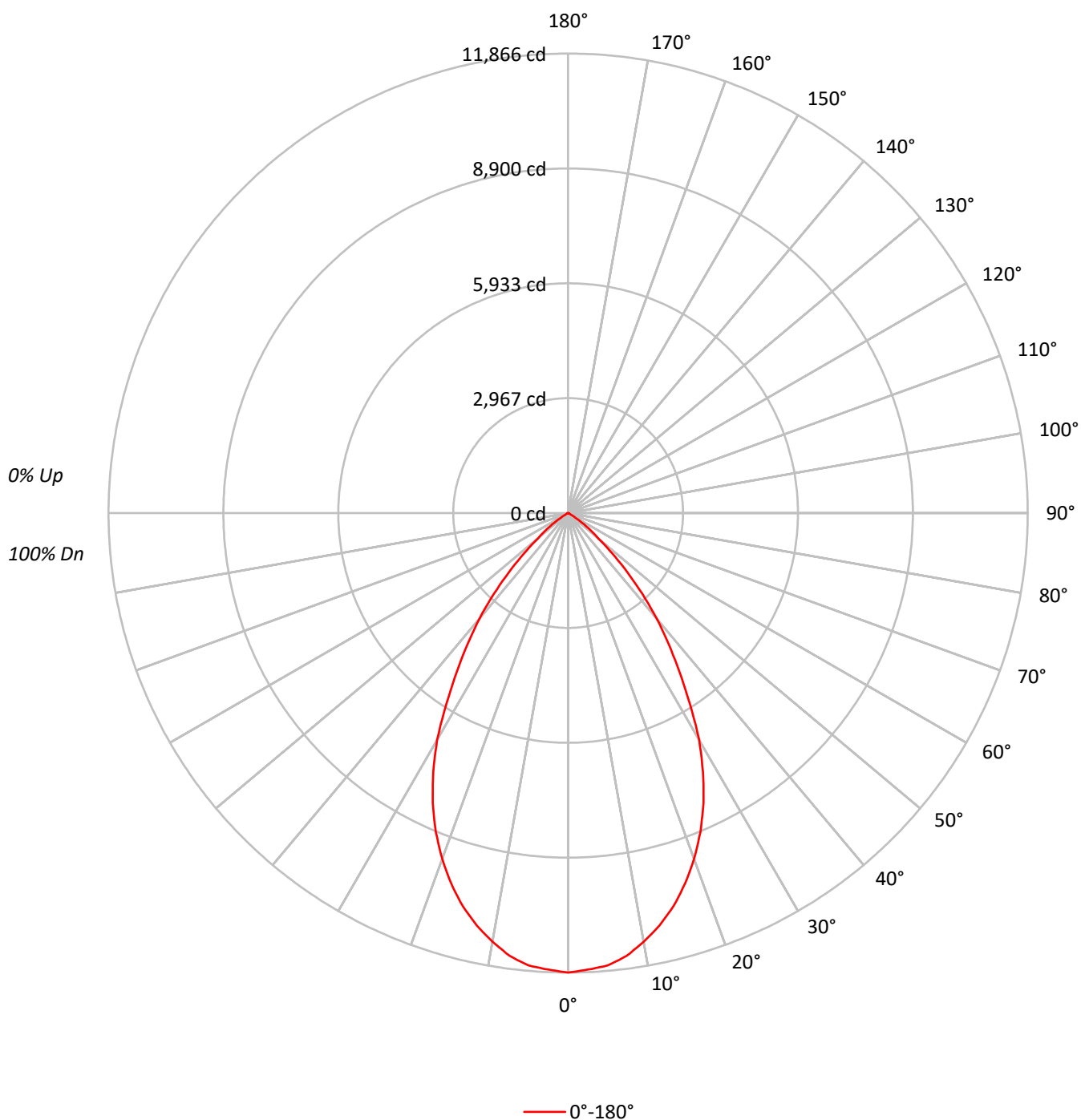
Lumens per Lamp: N/A
Luminaire Lumens: 13121.4 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.96
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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					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°	96227
5°	95474
10°	92558
15°	88225
20°	82016
25°	73954
30°	63292
35°	49524
40°	37719
45°	24626
50°	12751
55°	6381
60°	1484
65°	524
70°	507
75°	520
80°	500
85°	549

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24626 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1103.8	8.4
10°-20°	2938.6	22.4
20°-30°	3764.1	28.7
30°-40°	3144.1	24.0
40°-50°	1680.4	12.8
50°-60°	429.7	3.3
60°-70°	37.5	0.3
70°-80°	17.1	0.1
80°-90°	6.3	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°	7806.4	59.5
0°-40°	10950.5	83.5
0°-60°	13060.5	99.5
0°-90°	13121.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13121.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11866	
5°	11728	###
15°	10508	2939
25°	8265	3764
35°	5002	3144
45°	2147	1680
55°	451	430
65°	27	38
75°	17	17
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11866.0
2.5°	11800.7
5°	11728.3
7.5°	11537.0
10°	11240.1
12.5°	10906.4
15°	10508.5
17.5°	10033.4
20°	9503.7
22.5°	8918.2
25°	8265.0
27.5°	7535.8
30°	6759.0
32.5°	5846.9
35°	5002.5
37.5°	4257.8
40°	3563.0
42.5°	2835.0
45°	2147.3
47.5°	1549.9
50°	1010.7
52.5°	731.6
55°	451.3
57.5°	218.5
60°	91.5
62.5°	45.1
65°	27.3
67.5°	23.8
70°	21.4
72.5°	19.0
75°	16.6
77.5°	13.1
80°	10.7
82.5°	8.3
85°	5.9
87.5°	3.6
90°	0.0

(END OF REPORT)