

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: P1504407

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504407
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-42)
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 (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

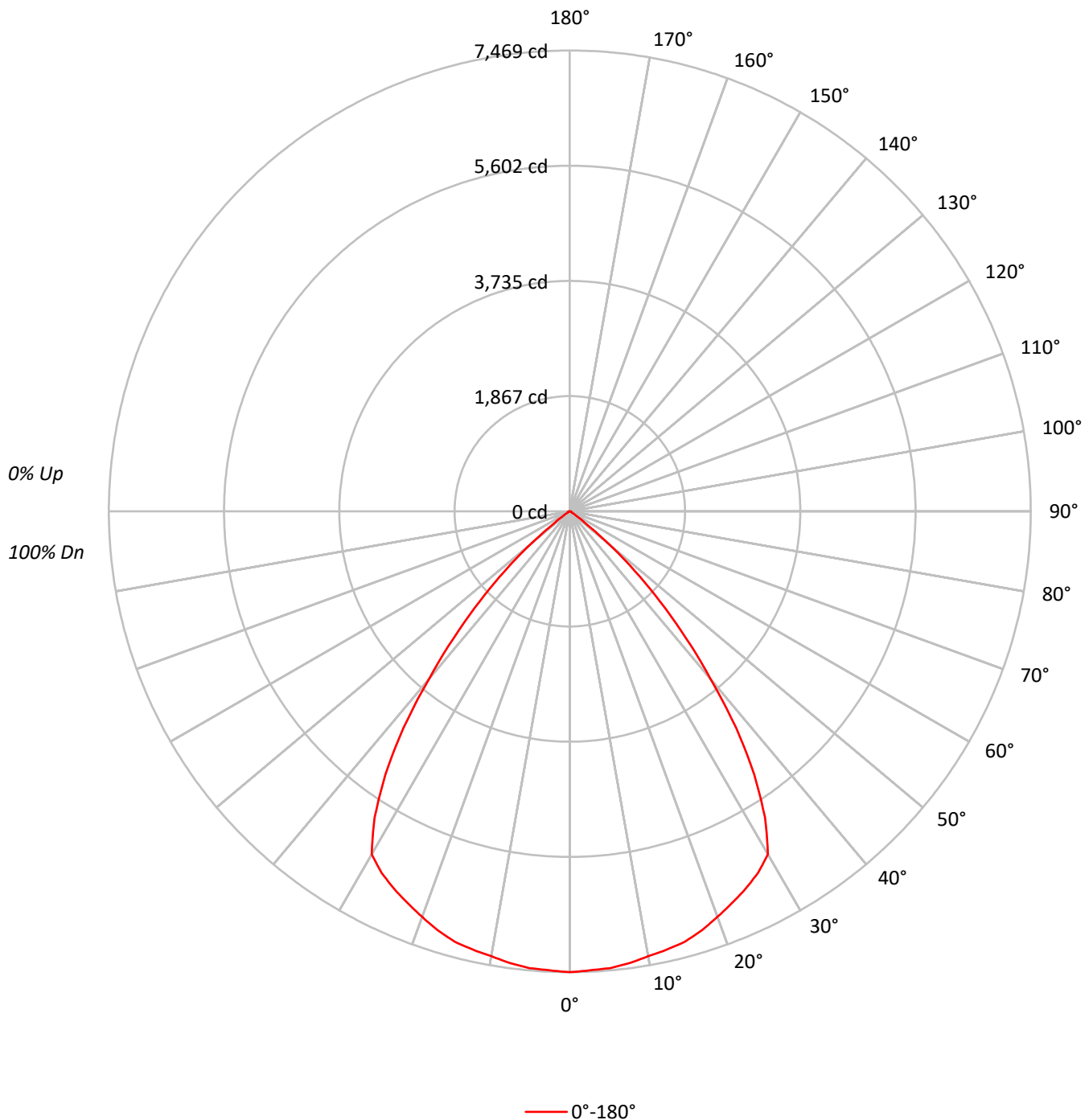
Lumens per Lamp: N/A
Luminaire Lumens: 10925.5 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 100.3
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
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	110	108	105	103	104	102	100	100	98	97	96	95	94			92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86			84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78			77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71			70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65			64
6	83	73	66	61	82	72	66	61	71	65	61	69	64	60	68	63	60			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55			53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51			49
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47			45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43			42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61354
5°	61291
10°	61083
15°	61392
20°	61157
25°	61153
30°	60886
35°	52226
40°	38100
45°	24094
50°	10530
55°	2148
60°	756
65°	544
70°	624
75°	667
80°	662
85°	660

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24094 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.8	6.5
10°-20°	2034.4	18.6
20°-30°	3108.7	28.5
30°-40°	3185.3	29.2
40°-50°	1611.0	14.7
50°-60°	219.7	2.0
60°-70°	31.1	0.3
70°-80°	21.9	0.2
80°-90°	7.6	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°	5848.9	53.5
0°-40°	9034.2	82.7
0°-60°	10864.8	99.4
0°-90°	10925.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10925.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7469	
5°	7433	706
15°	7219	2034
25°	6747	3109
35°	5208	3185
45°	2074	1611
55°	150	220
65°	28	31
75°	21	22
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7469
2.5°	7446
5°	7433
7.5°	7385
10°	7323
12.5°	7275
15°	7219
17.5°	7119
20°	6996
22.5°	6872
25°	6747
27.5°	6604
30°	6419
32.5°	5885
35°	5208
37.5°	4428
40°	3553
42.5°	2783
45°	2074
47.5°	1424
50°	824
52.5°	333
55°	150
57.5°	87
60°	46
62.5°	35
65°	28
67.5°	27
70°	26
72.5°	24
75°	21
77.5°	18
80°	14
82.5°	11
85°	7
87.5°	3
90°	0

(END OF REPORT)