Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1504783

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1504783
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-53)
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 (5000K_L16_Medium_120V)
Description:	PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
	LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:	
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11507.1 lumens
Efficiency:	N/A
Efficacy:	115.0 lumens/watt
Spacing Criteria (0/90/45):	1.13 / 1.13 / 1.06
Luminous Opening:	Circular (Dia: 1.3' x H: 0')
CIE Type:	Direct

Input Watts (W):	100.1
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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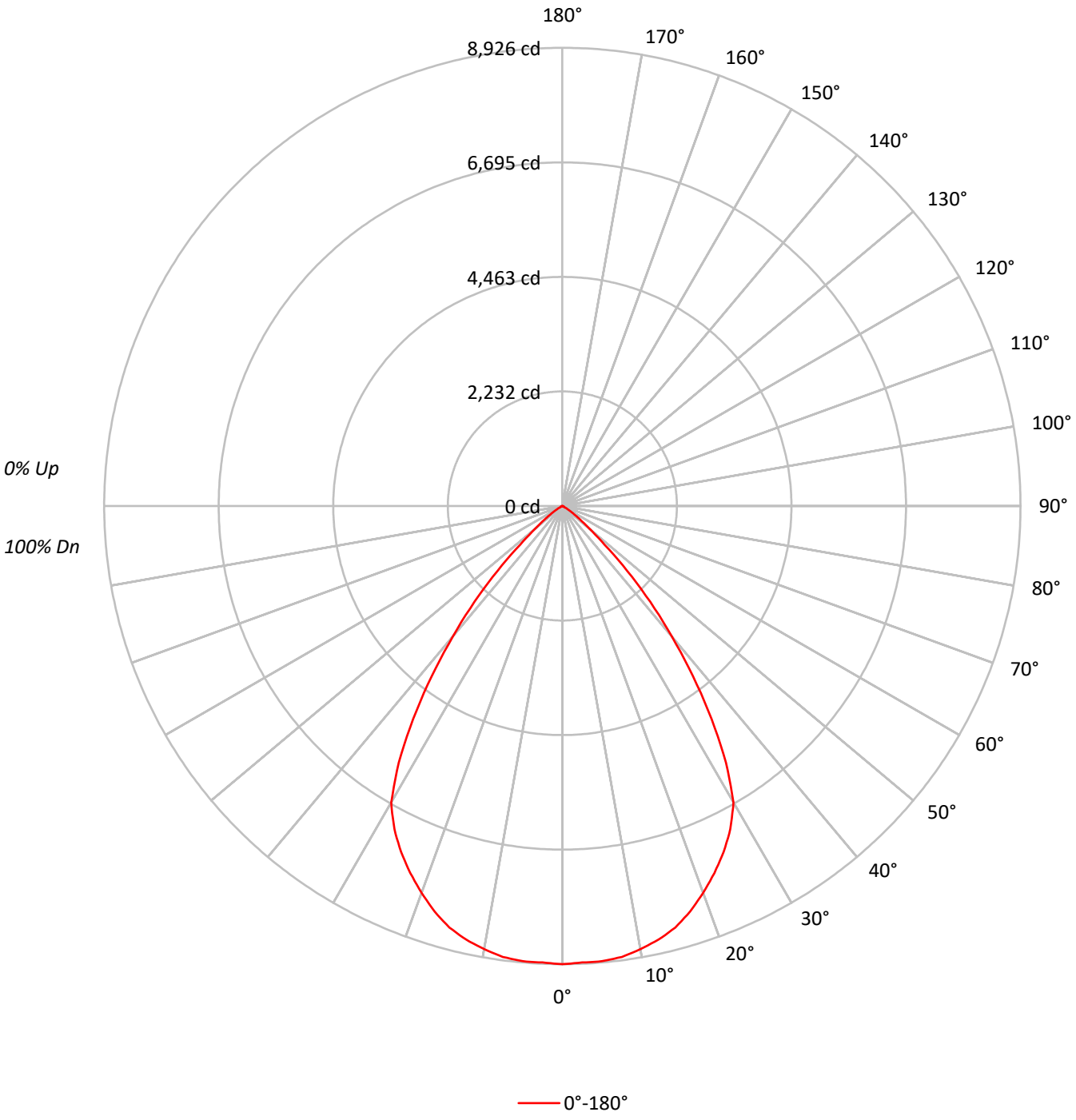
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	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	110	108	105	103	104	102	100	100	98	97	97	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47
10	67	56	50	46	66	56	50	46	55	50	46	54	49	45	54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72383
5°	72467
10°	72191
15°	71374
20°	69202
25°	66533
30°	62431
35°	50177
40°	35073
45°	20497
50°	8623
55°	4014
60°	1080
65°	510
70°	533
75°	545
80°	528
85°	568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 20497 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	845.5	7.3
10°-20°	2386.7	20.7
20°-30°	3408.0	29.6
30°-40°	3125.1	27.2
40°-50°	1410.0	12.3
50°-60°	274.1	2.4
60°-70°	33.2	0.3
70°-80°	18.0	0.2
80°-90°	6.5	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°	6640.2	57.7
0°-40°	9765.3	84.9
0°-60°	11449.4	99.5
0°-90°	11507.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11507.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8926	
5°	8902	846
15°	8501	2387
25°	7436	3408
35°	5068	3125
45°	1787	1410
55°	284	274
65°	27	33
75°	17	18
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8925.7
2.5°	8901.1
5°	8902.1
7.5°	8861.1
10°	8766.8
12.5°	8654.1
15°	8501.4
17.5°	8282.1
20°	8018.8
22.5°	7739.0
25°	7435.7
27.5°	7089.3
30°	6667.1
32.5°	5928.2
35°	5068.5
37.5°	4178.0
40°	3313.1
42.5°	2531.2
45°	1787.2
47.5°	1113.9
50°	683.5
52.5°	437.6
55°	283.9
57.5°	148.6
60°	66.6
62.5°	38.9
65°	26.6
67.5°	24.6
70°	22.5
72.5°	19.5
75°	17.4
77.5°	14.3
80°	11.3
82.5°	9.2
85°	6.1
87.5°	3.1
90°	0.0

(END OF REPORT)