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: P1504289

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1504289
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-19)
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-04-CLER-PS (5000K_L16_Narrow_120V)
Description:	PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
	LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:	5000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15024.7 lumens
Efficiency:	N/A
Efficacy:	150.1 lumens/watt
Spacing Criteria (0/90/45):	0.98 / 0.98 / 1
Luminous Opening:	Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
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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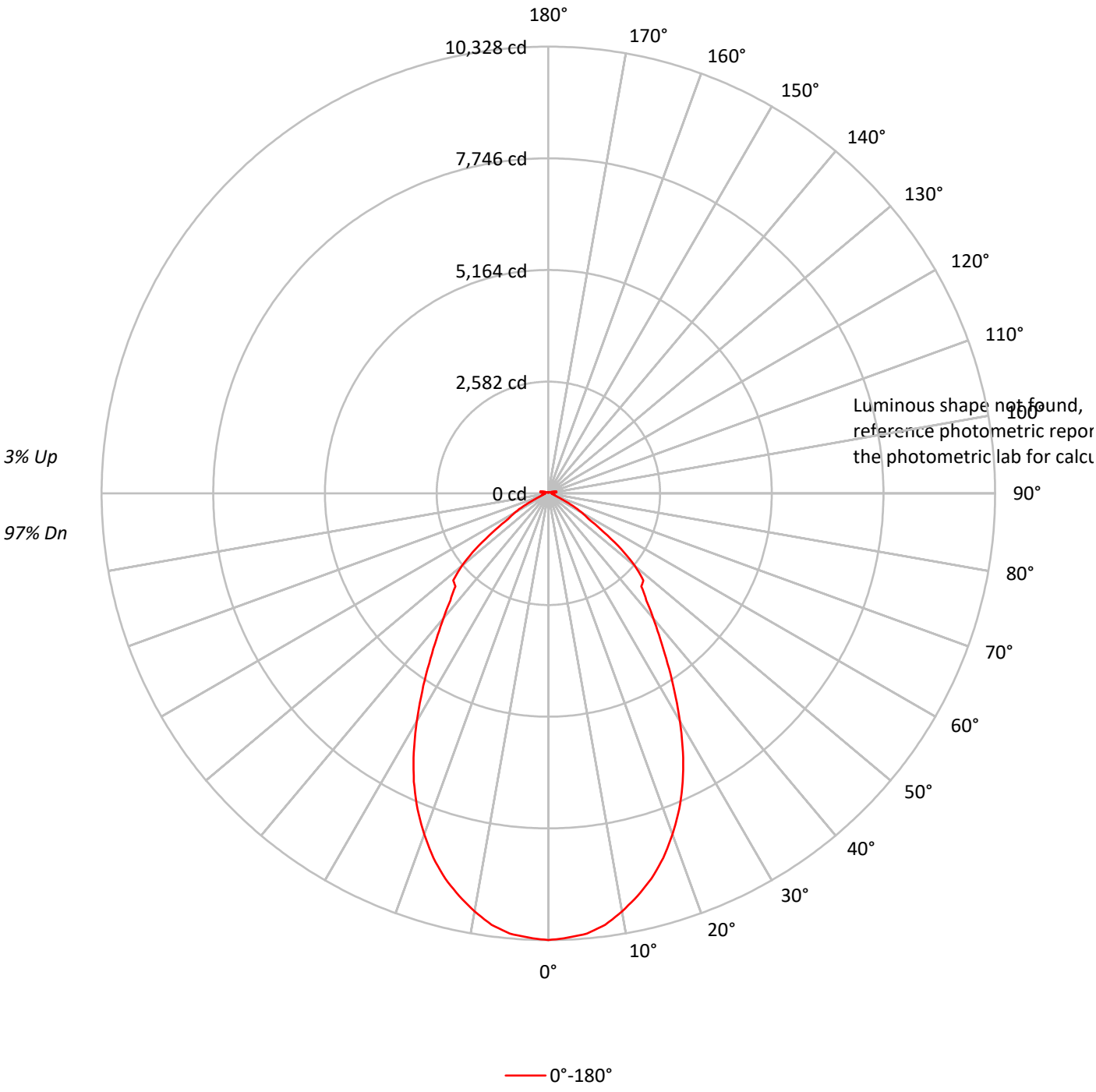
Luminous Intensity Polar Plot



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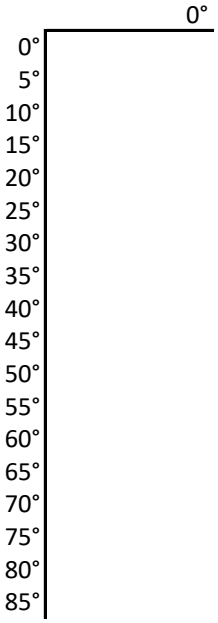
COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87
2	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	78
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	46
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	42
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	39
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	36

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	962.4	6.4
10°-20°	2579.9	17.2
20°-30°	3351.7	22.3
30°-40°	3019.3	20.1
40°-50°	2422.8	16.1
50°-60°	1456.3	9.7
60°-70°	476.8	3.2
70°-80°	152.5	1.0
80°-90°	95.7	0.6
90°-100°	164.6	1.1
100°-110°	178.3	1.2
110°-120°	81.7	0.5
120°-130°	30.2	0.2
130°-140°	18.5	0.1
140°-150°	15.5	0.1
150°-160°	11.2	0.1
160°-170°	5.6	0.0
170°-180°	1.5	0.0
0°-30°	6894.0	45.9
0°-40°	9913.3	66.0
0°-60°	13792.4	91.8
0°-90°	14517.5	96.6
90°-120°	424.7	2.8
90°-150°	488.9	3.3
90°-180°	507.0	3.4
0°-180°	15024.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10328	
5°	10218	962
15°	9218	2580
25°	7355	3352
35°	4804	3019
45°	3039	2423
55°	1570	1456
65°	434	477
75°	142	153
85°	80	70
90°	99	56
95°	154	134
105°	174	178
115°	79	82
125°	32	30
135°	24	18
145°	25	16
155°	25	11
165°	20	6
175°	15	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10327.5
2.5°	10282.5
5°	10217.9
7.5°	10061.1
10°	9813.1
12.5°	9533.4
15°	9217.7
17.5°	8838.6
20°	8391.8
22.5°	7905.0
25°	7354.7
27.5°	6738.8
30°	6083.0
32.5°	5429.2
35°	4804.1
37.5°	4245.6
40°	3773.2
42.5°	3353.0
45°	3039.4
47.5°	2980.0
50°	2618.3
52.5°	2126.4
55°	1569.9
57.5°	1102.6
60°	911.0
62.5°	672.2
65°	434.5
67.5°	278.7
70°	198.8
72.5°	161.9
75°	142.4
77.5°	123.0
80°	102.5
82.5°	85.1
85°	79.9
87.5°	85.1
90°	99.4
92.5°	125.0
95°	153.7
97.5°	179.3
100°	192.7
102.5°	189.6
105°	174.2
107.5°	150.6
110°	125.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.4
115°	78.9
117.5°	61.5
120°	48.2
122.5°	37.9
125°	31.8
127.5°	27.7
130°	24.6
132.5°	23.6
135°	23.6
137.5°	23.6
140°	24.6
142.5°	24.6
145°	24.6
147.5°	24.6
150°	25.6
152.5°	24.6
155°	24.6
157.5°	23.6
160°	21.5
162.5°	20.5
165°	19.5
167.5°	18.4
170°	17.4
172.5°	16.4
175°	15.4
177.5°	15.4
180°	15.4

(END OF REPORT)