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: P1504516

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1504516
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-50)
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-TRWH-PS (5000K_L18_Medium_120V)
Description:	PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
	LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:	
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16388.7 lumens
Efficiency:	N/A
Efficacy:	136.5 lumens/watt
Spacing Criteria (0/90/45):	1.14 / 1.14 / 1.07
Luminous Opening:	Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type:	Direct

Input Watts (W):	120.1
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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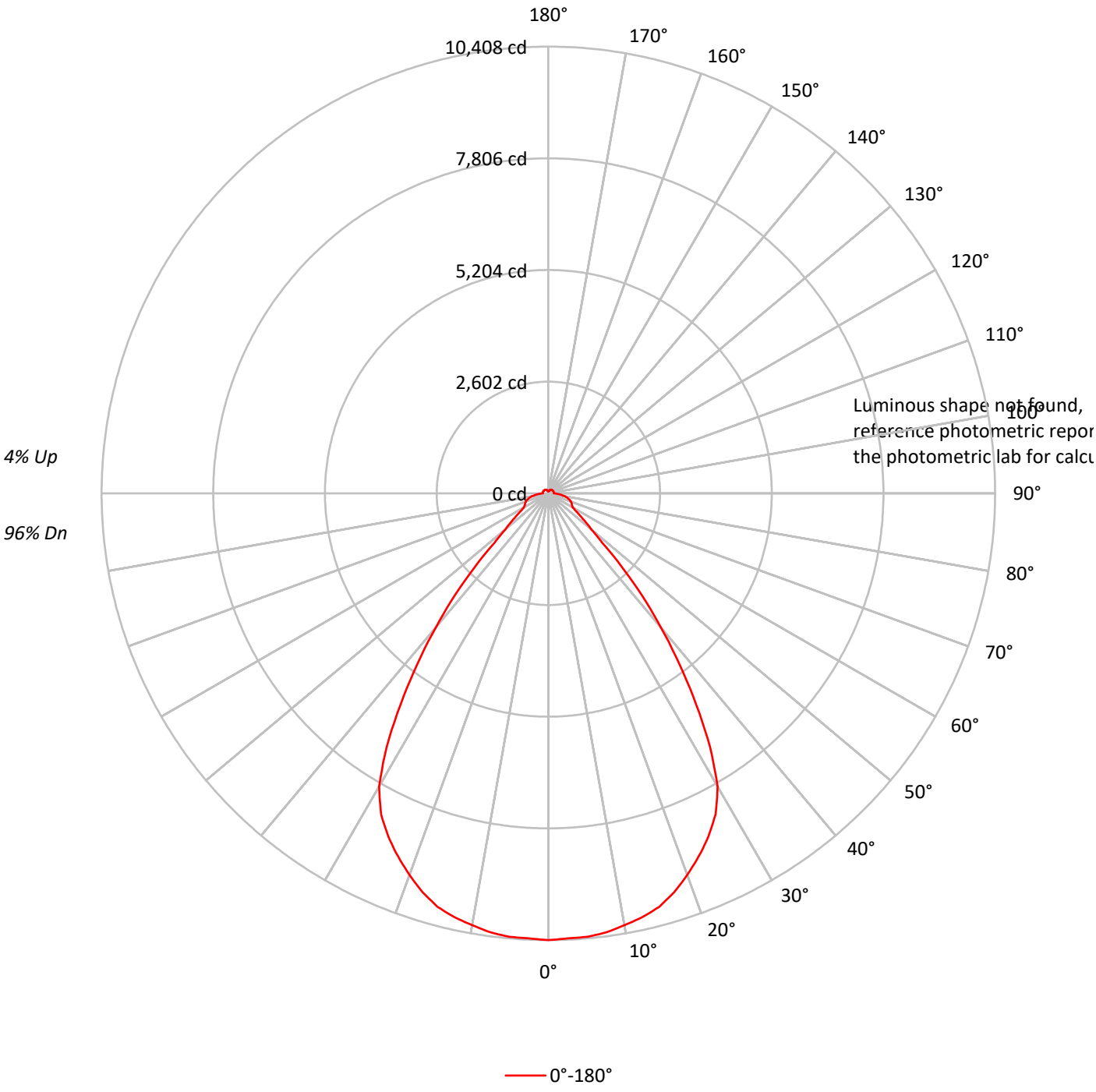
Luminous Intensity Polar Plot



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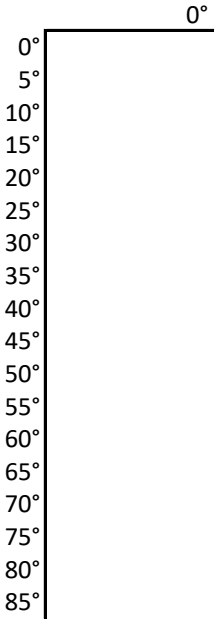
COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	103	103	98	98	98	96
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	85
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	76
3	96	88	81	76	93	86	80	75	82	77	73	79	75	72	76	73	70	68
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	61
5	84	74	66	61	82	72	66	60	70	64	59	68	63	59	65	61	58	56
6	79	68	61	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	47
8	70	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	45	43
9	66	54	47	43	64	54	47	42	52	46	42	51	45	42	50	45	41	40
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	984.9	6.0
10°-20°	2800.4	17.1
20°-30°	4039.2	24.6
30°-40°	3724.4	22.7
40°-50°	1908.9	11.6
50°-60°	828.6	5.1
60°-70°	599.6	3.7
70°-80°	505.9	3.1
80°-90°	278.1	1.7
90°-100°	138.8	0.8
100°-110°	135.4	0.8
110°-120°	123.8	0.8
120°-130°	106.4	0.6
130°-140°	85.9	0.5
140°-150°	64.1	0.4
150°-160°	40.7	0.2
160°-170°	19.0	0.1
170°-180°	4.6	0.0
0°-30°	7824.5	47.7
0°-40°	11548.9	70.5
0°-60°	14286.3	87.2
0°-90°	15670.0	95.6
90°-120°	397.9	2.4
90°-150°	654.3	4.0
90°-180°	719.0	4.4
0°-180°	16388.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10408	
5°	10372	985
15°	9972	2800
25°	8823	4039
35°	6008	3724
45°	2395	1909
55°	901	829
65°	602	600
75°	484	506
85°	256	235
90°	128	78
95°	127	104
105°	128	135
115°	125	124
125°	119	106
135°	111	86
145°	102	64
155°	87	41
165°	65	19
175°	46	5
180°	44	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10408.2
2.5°	10377.3
5°	10371.6
7.5°	10316.7
10°	10213.7
12.5°	10115.4
15°	9972.4
17.5°	9743.7
20°	9460.1
22.5°	9154.7
25°	8823.1
27.5°	8434.3
30°	7884.2
32.5°	7015.0
35°	6007.5
37.5°	5014.8
40°	4075.9
42.5°	3218.2
45°	2394.8
47.5°	1709.7
50°	1310.6
52.5°	1086.4
55°	901.2
57.5°	747.9
60°	657.6
62.5°	624.4
65°	601.5
67.5°	584.4
70°	559.2
72.5°	526.1
75°	483.8
77.5°	435.7
80°	380.8
82.5°	321.4
85°	256.2
87.5°	188.7
90°	128.1
92.5°	125.8
95°	126.9
97.5°	128.1
100°	128.1
102.5°	128.1
105°	128.1
107.5°	128.1
110°	126.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	125.8
115°	124.7
117.5°	123.5
120°	122.4
122.5°	120.1
125°	118.9
127.5°	116.7
130°	114.4
132.5°	113.2
135°	110.9
137.5°	108.6
140°	106.4
142.5°	104.1
145°	101.8
147.5°	99.5
150°	97.2
152.5°	92.6
155°	86.9
157.5°	82.3
160°	77.8
162.5°	72.0
165°	65.2
167.5°	60.6
170°	54.9
172.5°	49.2
175°	45.7
177.5°	43.5
180°	43.5

(END OF REPORT)