

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1221248

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (6500K_L12_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221248
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

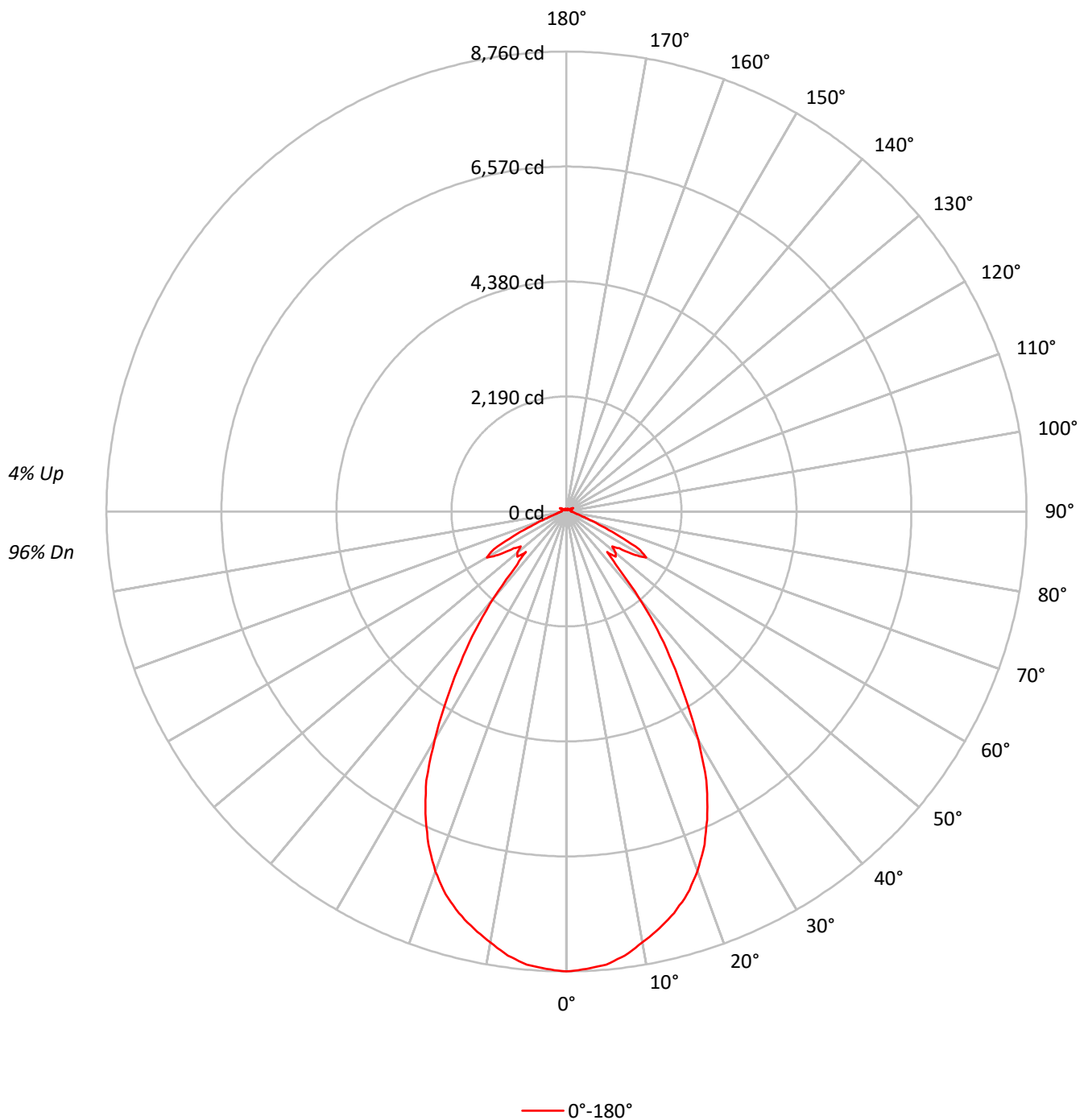
Lumens per Lamp: N/A
Luminaire Lumens: 12368.2 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 82.6
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
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87
2	102	95	90	85	99	93	88	84	89	85	82	86	82	79	82	79	77
3	95	86	80	74	92	85	78	73	81	76	72	78	74	70	75	72	68
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	61
5	83	72	64	59	80	71	64	58	68	62	57	66	61	56	64	59	56
6	77	66	59	53	75	65	58	53	63	57	52	61	56	51	59	54	51
7	73	61	54	48	71	60	53	48	59	52	48	57	51	47	55	50	47
8	69	57	50	45	67	56	49	44	55	48	44	53	48	43	52	47	43
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47891
5°	45415
10°	42265
15°	39192
20°	35512
25°	30650
30°	24150
35°	17053
40°	10575
45°	5515
50°	6335
55°	6590
60°	9948
65°	6680
70°	3118
75°	1707
80°	1264
85°	1056

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 9948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	816.4	6.6
10°-20°	2219.2	17.9
20°-30°	2879.0	23.3
30°-40°	2190.5	17.7
40°-50°	1056.6	8.5
50°-60°	1205.6	9.7
60°-70°	1112.4	9.0
70°-80°	286.9	2.3
80°-90°	133.6	1.1
90°-100°	92.7	0.7
100°-110°	85.4	0.7
110°-120°	119.5	1.0
120°-130°	72.6	0.6
130°-140°	27.7	0.2
140°-150°	26.8	0.2
150°-160°	27.1	0.2
160°-170°	13.5	0.1
170°-180°	2.9	0.0
0°-30°	5914.7	47.8
0°-40°	8105.2	65.5
0°-60°	10367.4	83.8
0°-90°	11900.2	96.2
90°-120°	297.6	2.4
90°-150°	424.6	3.4
90°-180°	468.0	3.8
0°-180°	12368.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8760	
5°	8664	816
15°	7920	2219
25°	6352	2879
35°	3514	2191
45°	1096	1057
55°	1221	1206
65°	1110	1112
75°	242	287
85°	120	107
90°	91	51
95°	83	68
105°	81	85
115°	139	120
125°	79	73
135°	33	28
145°	43	27
155°	60	27
165°	46	13
175°	29	3
180°	27	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8760.2
2.5°	8723.0
5°	8663.9
7.5°	8532.9
10°	8333.5
12.5°	8141.7
15°	7919.5
17.5°	7646.7
20°	7295.2
22.5°	6866.0
25°	6351.5
27.5°	5772.8
30°	5009.9
32.5°	4231.0
35°	3514.5
37.5°	2843.7
40°	2148.4
42.5°	1445.5
45°	1095.8
47.5°	1269.8
50°	1220.8
52.5°	1096.6
55°	1220.8
57.5°	1544.4
60°	1754.7
62.5°	1561.3
65°	1110.1
67.5°	729.1
70°	482.4
72.5°	333.7
75°	242.5
77.5°	190.9
80°	162.2
82.5°	139.4
85°	120.0
87.5°	103.9
90°	91.2
92.5°	86.2
95°	82.8
97.5°	82.8
100°	84.5
102.5°	85.3
105°	81.1
107.5°	74.3
110°	79.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.1
115°	139.4
117.5°	136.9
120°	117.4
122.5°	98.0
125°	78.6
127.5°	61.7
130°	48.2
132.5°	38.9
135°	32.9
137.5°	30.4
140°	31.3
142.5°	36.3
145°	43.1
147.5°	49.8
150°	54.9
152.5°	58.3
155°	60.0
157.5°	60.0
160°	57.4
162.5°	53.2
165°	46.5
167.5°	39.7
170°	33.8
172.5°	29.6
175°	28.7
177.5°	27.0
180°	27.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.57	19.84	19.00	20.24	20.65	18.57	19.84	19.00	20.24	20.65
	3H	19.16	20.30	19.60	20.71	21.17	19.16	20.30	19.60	20.71	21.17
	4H	19.20	20.27	19.66	20.70	21.17	19.20	20.27	19.66	20.70	21.17
	6H	19.20	20.19	19.68	20.63	21.12	19.20	20.19	19.68	20.63	21.12
	8H	19.19	20.13	19.68	20.59	21.09	19.19	20.13	19.68	20.59	21.09
	12H	19.18	20.08	19.68	20.54	21.06	19.18	20.08	19.68	20.54	21.06
4H	2H	18.96	20.04	19.43	20.47	20.94	18.96	20.04	19.43	20.47	20.94
	3H	19.57	20.46	20.05	20.94	21.43	19.57	20.46	20.05	20.94	21.43
	4H	19.63	20.43	20.13	20.92	21.45	19.63	20.43	20.13	20.92	21.45
	6H	19.67	20.36	20.19	20.87	21.43	19.67	20.36	20.19	20.87	21.43
	8H	19.67	20.31	20.20	20.83	21.39	19.67	20.31	20.20	20.83	21.39
	12H	19.68	20.25	20.23	20.80	21.36	19.68	20.25	20.23	20.80	21.36
8H	4H	19.57	20.22	20.10	20.73	21.29	19.57	20.22	20.10	20.73	21.29
	6H	19.63	20.16	20.20	20.72	21.29	19.63	20.16	20.20	20.72	21.29
	8H	19.66	20.13	20.25	20.71	21.28	19.66	20.13	20.25	20.71	21.28
	12H	19.71	20.11	20.29	20.68	21.33	19.71	20.11	20.29	20.68	21.33
12H	4H	19.54	20.11	20.09	20.66	21.22	19.54	20.11	20.09	20.66	21.22
	6H	19.60	20.07	20.18	20.64	21.22	19.60	20.07	20.18	20.64	21.22
	8H	19.66	20.06	20.24	20.62	21.28	19.66	20.06	20.24	20.62	21.28

END OF REPORT