

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: P1221292

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221292
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

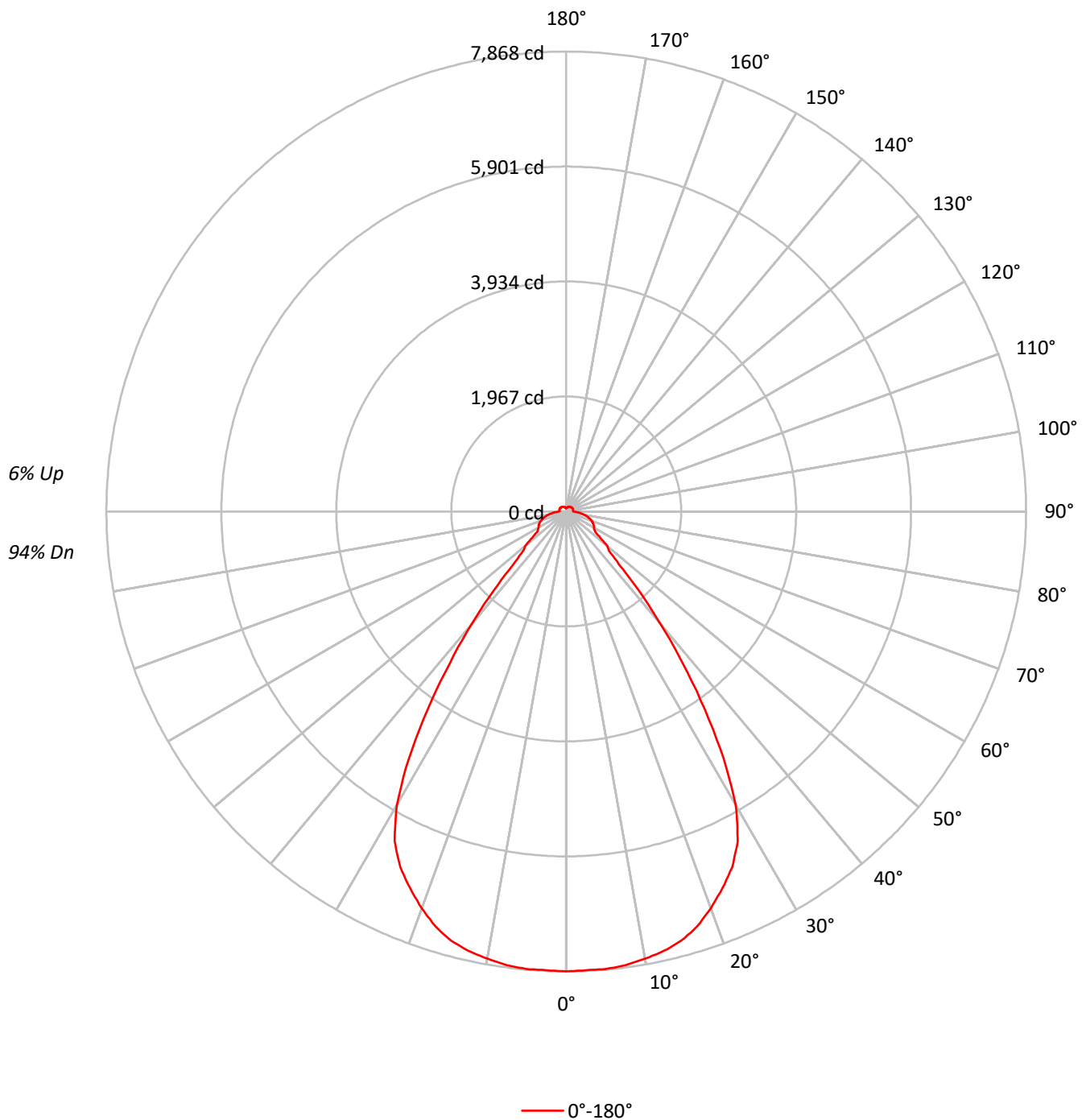
Lumens per Lamp: N/A
Luminaire Lumens: 12028.6 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86
2	102	96	90	86	99	93	89	84	89	85	82	85	82	79	82	79	77
3	96	87	81	76	93	85	79	75	82	77	73	78	74	71	75	72	69
4	89	80	73	68	87	78	72	67	75	70	65	72	68	64	70	66	63
5	84	73	66	61	82	72	65	60	69	64	59	67	62	58	65	61	57
6	79	68	61	55	77	67	60	55	64	58	54	62	57	53	60	56	52
7	74	63	56	51	72	62	55	50	60	54	50	58	53	49	56	52	48
8	70	58	51	47	68	58	51	46	56	50	46	54	49	45	53	48	45
9	66	55	48	43	64	54	47	43	52	46	42	51	46	42	50	45	41
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43013
5°	41181
10°	39403
15°	37633
20°	35171
25°	32399
30°	27958
35°	20046
40°	12375
45°	6438
50°	4761
55°	3279
60°	3109
65°	3086
70°	2965
75°	2742
80°	2370
85°	1822

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.1	6.2
10°-20°	2135.9	17.8
20°-30°	3055.7	25.4
30°-40°	2562.6	21.3
40°-50°	1108.2	9.2
50°-60°	587.5	4.9
60°-70°	504.9	4.2
70°-80°	408.2	3.4
80°-90°	227.7	1.9
90°-100°	129.5	1.1
100°-110°	127.7	1.1
110°-120°	119.0	1.0
120°-130°	103.1	0.9
130°-140°	83.3	0.7
140°-150°	61.7	0.5
150°-160°	40.4	0.3
160°-170°	20.5	0.2
170°-180°	5.7	0.0
0°-30°	5938.7	49.4
0°-40°	8501.3	70.7
0°-60°	10197.0	84.8
0°-90°	11337.7	94.3
90°-120°	376.2	3.1
90°-150°	624.3	5.2
90°-180°	691.0	5.7
0°-180°	12028.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7868	
5°	7856	747
15°	7604	2136
25°	6714	3056
35°	4131	2563
45°	1279	1108
55°	607	588
65°	513	505
75°	390	408
85°	207	189
90°	125	72
95°	117	96
105°	121	128
115°	120	119
125°	115	103
135°	107	83
145°	98	62
155°	87	40
165°	72	20
175°	58	6
180°	58	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7868.0
2.5°	7855.3
5°	7856.2
7.5°	7828.3
10°	7769.2
12.5°	7702.4
15°	7604.4
17.5°	7443.9
20°	7225.1
22.5°	6980.1
25°	6714.0
27.5°	6358.3
30°	5799.8
32.5°	5011.6
35°	4131.3
37.5°	3278.8
40°	2514.2
42.5°	1831.6
45°	1279.1
47.5°	986.8
50°	917.5
52.5°	724.9
55°	607.4
57.5°	567.7
60°	548.3
62.5°	532.3
65°	512.8
67.5°	488.3
70°	458.7
72.5°	425.8
75°	389.5
77.5°	348.9
80°	304.1
82.5°	257.7
85°	207.0
87.5°	156.3
90°	125.0
92.5°	115.7
95°	117.4
97.5°	119.1
100°	120.0
102.5°	120.8
105°	120.8
107.5°	120.8
110°	120.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	120.8
115°	120.0
117.5°	119.1
120°	118.3
122.5°	116.6
125°	114.9
127.5°	113.2
130°	111.5
132.5°	109.8
135°	107.3
137.5°	105.6
140°	103.1
142.5°	100.5
145°	98.0
147.5°	95.5
150°	92.9
152.5°	90.4
155°	87.0
157.5°	83.6
160°	79.4
162.5°	76.0
165°	71.8
167.5°	66.7
170°	62.5
172.5°	58.3
175°	58.3
177.5°	58.3
180°	58.3

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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	11.65	12.81	12.11	13.24	13.70	11.65	12.81	12.11	13.24	13.70
	3H	14.01	15.05	14.49	15.50	16.00	14.01	15.05	14.49	15.50	16.00
	4H	14.98	15.95	15.48	16.42	16.94	14.98	15.95	15.48	16.42	16.94
	6H	15.77	16.67	16.29	17.15	17.69	15.77	16.67	16.29	17.15	17.69
	8H	16.07	16.92	16.60	17.42	17.97	16.07	16.92	16.60	17.42	17.97
	12H	16.30	17.11	16.83	17.60	18.17	16.30	17.11	16.83	17.60	18.17
4H	2H	12.31	13.28	12.82	13.75	14.28	12.31	13.28	12.82	13.75	14.28
	3H	14.85	15.66	15.36	16.17	16.72	14.85	15.66	15.36	16.17	16.72
	4H	15.94	16.68	16.48	17.20	17.78	15.94	16.68	16.48	17.20	17.78
	6H	16.87	17.50	17.43	18.06	18.65	16.87	17.50	17.43	18.06	18.65
	8H	17.22	17.82	17.79	18.37	18.97	17.22	17.82	17.79	18.37	18.97
	12H	17.51	18.03	18.09	18.62	19.22	17.51	18.03	18.09	18.62	19.22
8H	4H	16.28	16.87	16.84	17.42	18.02	16.28	16.87	16.84	17.42	18.02
	6H	17.35	17.83	17.94	18.43	19.04	17.35	17.83	17.94	18.43	19.04
	8H	17.80	18.23	18.41	18.84	19.47	17.80	18.23	18.41	18.84	19.47
	12H	18.19	18.57	18.80	19.17	19.86	18.19	18.57	18.80	19.17	19.86
12H	4H	16.31	16.84	16.89	17.42	18.03	16.31	16.84	16.89	17.42	18.03
	6H	17.42	17.86	18.03	18.47	19.09	17.42	17.86	18.03	18.47	19.09
	8H	17.93	18.32	18.54	18.91	19.61	17.93	18.32	18.54	18.91	19.61