

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: P1221260

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3000K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221260
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-19)
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 (3000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

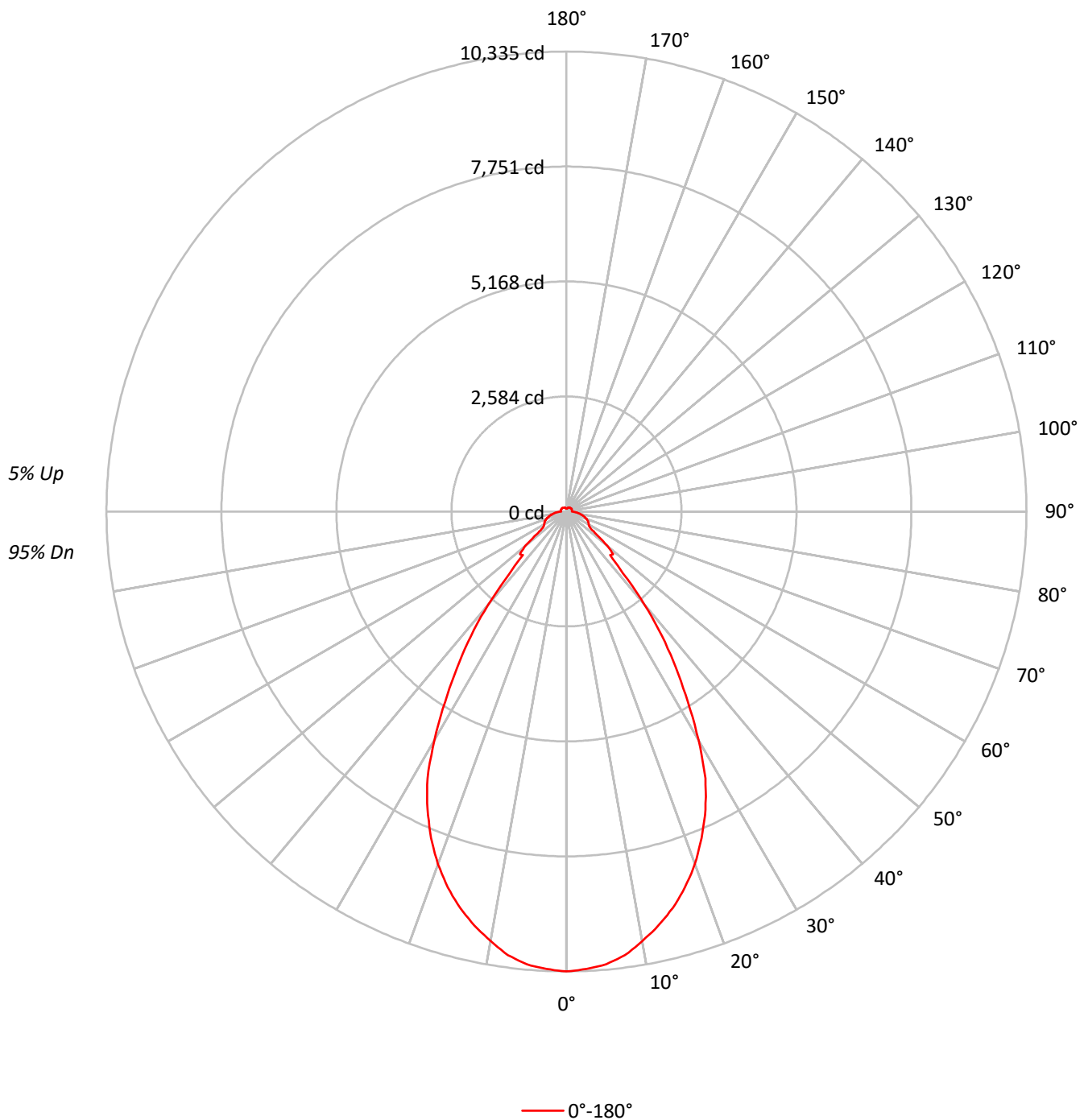
Lumens per Lamp: N/A
Luminaire Lumens: 13418.5 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.5
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	114	114	114	114	108	108	108	102	102	102	97	97	97
1	110	106	103	100	107	103	100	98	98	96	94	94	92	90	89	88	86
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	82	80	77
3	96	88	82	77	93	86	80	76	82	78	74	79	75	72	76	73	70
4	90	81	74	69	88	79	73	68	76	71	66	73	69	65	71	67	64
5	85	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58
6	79	69	62	57	77	68	61	56	66	60	55	63	58	54	62	57	54
7	75	64	57	52	73	63	56	52	61	55	51	59	54	50	58	53	50
8	71	60	53	48	69	59	52	48	57	51	47	56	50	46	54	49	46
9	67	56	49	44	65	55	49	44	54	48	44	52	47	43	51	46	43
10	63	52	46	41	62	52	45	41	50	45	41	49	44	40	48	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56499
5°	53562
10°	49735
15°	45658
20°	41056
25°	35655
30°	28601
35°	20764
40°	13459
45°	6984
50°	6217
55°	3514
60°	3272
65°	3233
70°	3071
75°	2784
80°	2400
85°	1881

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 7262 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	962.3	7.2
10°-20°	2584.2	19.3
20°-30°	3354.9	25.0
30°-40°	2664.6	19.9
40°-50°	1275.6	9.5
50°-60°	661.5	4.9
60°-70°	528.3	3.9
70°-80°	416.5	3.1
80°-90°	232.9	1.7
90°-100°	135.3	1.0
100°-110°	135.7	1.0
110°-120°	127.0	0.9
120°-130°	110.5	0.8
130°-140°	89.6	0.7
140°-150°	66.9	0.5
150°-160°	44.0	0.3
160°-170°	22.6	0.2
170°-180°	6.3	0.0
0°-30°	6901.4	51.4
0°-40°	9566.0	71.3
0°-60°	11503.2	85.7
0°-90°	12680.8	94.5
90°-120°	398.0	3.0
90°-150°	664.9	5.0
90°-180°	738.0	5.5
0°-180°	13418.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10335	
5°	10218	962
15°	9226	2584
25°	7389	3355
35°	4279	2665
45°	1388	1276
55°	651	662
65°	537	528
75°	396	416
85°	214	194
90°	120	72
95°	124	102
105°	128	136
115°	128	127
125°	123	110
135°	116	90
145°	106	67
155°	95	44
165°	79	23
175°	65	6
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10334.8
2.5°	10293.0
5°	10218.2
7.5°	10058.8
10°	9806.2
12.5°	9536.1
15°	9226.1
17.5°	8860.7
20°	8434.2
22.5°	7943.5
25°	7388.6
27.5°	6762.9
30°	5933.1
32.5°	5072.2
35°	4279.3
37.5°	3527.2
40°	2734.3
42.5°	1883.1
45°	1387.6
47.5°	1422.5
50°	1198.1
52.5°	830.8
55°	651.0
57.5°	601.5
60°	577.2
62.5°	559.7
65°	537.3
67.5°	508.2
70°	475.2
72.5°	437.3
75°	395.5
77.5°	352.7
80°	308.0
82.5°	262.4
85°	213.8
87.5°	164.2
90°	120.5
92.5°	122.4
95°	124.4
97.5°	125.3
100°	127.3
102.5°	128.3
105°	128.3
107.5°	128.3
110°	129.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	128.3
115°	128.3
117.5°	127.3
120°	126.3
122.5°	124.4
125°	123.4
127.5°	121.5
130°	119.5
132.5°	117.6
135°	115.6
137.5°	113.7
140°	111.7
142.5°	108.8
145°	105.9
147.5°	104.0
150°	101.1
152.5°	98.1
155°	95.2
157.5°	91.3
160°	87.5
162.5°	83.6
165°	78.7
167.5°	73.8
170°	69.0
172.5°	64.1
175°	65.1
177.5°	65.1
180°	65.1

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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	11.69	12.84	12.15	13.27	13.73	11.69	12.84	12.15	13.27	13.73
	3H	13.98	15.01	14.46	15.46	15.96	13.98	15.01	14.46	15.46	15.96
	4H	14.90	15.87	15.40	16.33	16.85	14.90	15.87	15.40	16.33	16.85
	6H	15.65	16.54	16.16	17.02	17.55	15.65	16.54	16.16	17.02	17.55
	8H	15.93	16.78	16.46	17.28	17.81	15.93	16.78	16.46	17.28	17.81
	12H	16.16	16.96	16.68	17.45	18.02	16.16	16.96	16.68	17.45	18.02
4H	2H	12.34	13.30	12.84	13.76	14.28	12.34	13.30	12.84	13.76	14.28
	3H	14.80	15.61	15.31	16.12	16.65	14.80	15.61	15.31	16.12	16.65
	4H	15.84	16.57	16.37	17.09	17.66	15.84	16.57	16.37	17.09	17.66
	6H	16.72	17.35	17.28	17.90	18.49	16.72	17.35	17.28	17.90	18.49
	8H	17.06	17.65	17.62	18.20	18.80	17.06	17.65	17.62	18.20	18.80
	12H	17.35	17.87	17.92	18.45	19.05	17.35	17.87	17.92	18.45	19.05
8H	4H	16.16	16.74	16.72	17.29	17.89	16.16	16.74	16.72	17.29	17.89
	6H	17.18	17.66	17.77	18.26	18.86	17.18	17.66	17.77	18.26	18.86
	8H	17.62	18.05	18.23	18.66	19.28	17.62	18.05	18.23	18.66	19.28
	12H	18.01	18.39	18.62	18.98	19.67	18.01	18.39	18.62	18.98	19.67
12H	4H	16.18	16.71	16.76	17.28	17.89	16.18	16.71	16.76	17.28	17.89
	6H	17.25	17.68	17.86	18.29	18.91	17.25	17.68	17.86	18.29	18.91
	8H	17.75	18.13	18.36	18.72	19.41	17.75	18.13	18.36	18.72	19.41

END OF REPORT