

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: P1221293

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221293
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 (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

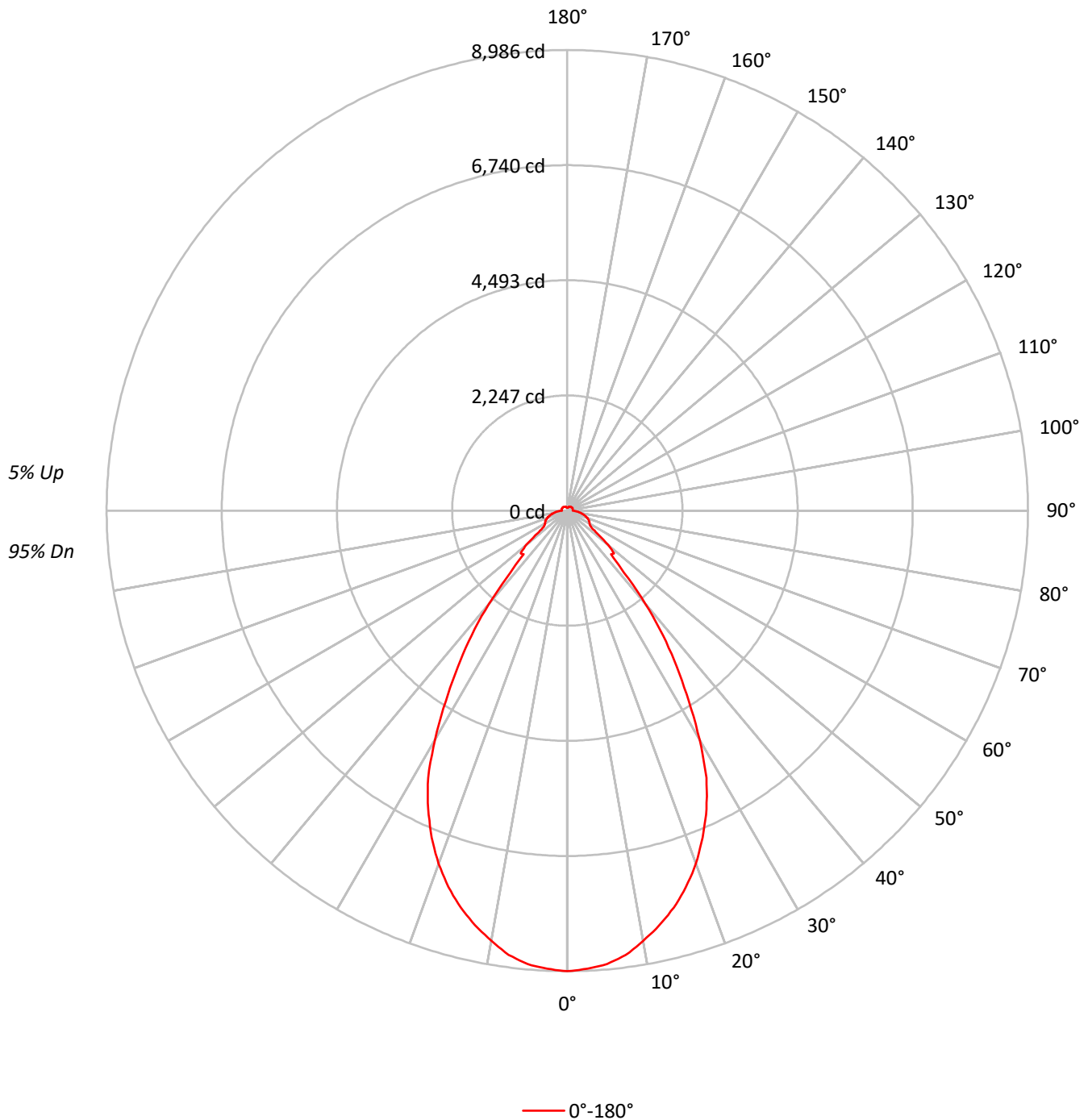
Lumens per Lamp: N/A
Luminaire Lumens: 11666.9 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 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	0		
RCR																				
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95		
1	110	106	103	100	107	103	100	98	98	96	94	94	92	90	89	88	86	84		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	82	80	77	75		
3	96	88	82	77	93	86	80	76	82	78	74	79	75	72	76	73	70	68		
4	90	81	74	69	88	79	73	68	76	71	66	73	69	65	71	67	64	62		
5	85	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58	56		
6	79	69	62	57	77	68	61	56	66	60	55	63	58	54	62	57	54	52		
7	75	64	57	52	73	63	56	52	61	55	51	59	54	50	58	53	50	48		
8	71	60	53	48	69	59	52	48	57	51	47	56	50	46	54	49	46	44		
9	67	56	49	44	65	55	49	44	54	48	44	52	47	43	51	46	43	41		
10	63	52	46	41	62	52	45	41	50	45	41	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49123
5°	46571
10°	43242
15°	39698
20°	35697
25°	31001
30°	24867
35°	18054
40°	11702
45°	6072
50°	5406
55°	3055
60°	2845
65°	2811
70°	2670
75°	2421
80°	2087
85°	1636

MAXIMUM LUMINANCE 45°-90°:

Luminance: 6314 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	836.7	7.2
10°-20°	2246.9	19.3
20°-30°	2917.0	25.0
30°-40°	2316.8	19.9
40°-50°	1109.1	9.5
50°-60°	575.2	4.9
60°-70°	459.3	3.9
70°-80°	362.1	3.1
80°-90°	202.5	1.7
90°-100°	117.7	1.0
100°-110°	118.0	1.0
110°-120°	110.4	0.9
120°-130°	96.0	0.8
130°-140°	77.9	0.7
140°-150°	58.2	0.5
150°-160°	38.3	0.3
160°-170°	19.6	0.2
170°-180°	5.4	0.0
0°-30°	6000.6	51.4
0°-40°	8317.3	71.3
0°-60°	10001.6	85.7
0°-90°	11025.5	94.5
90°-120°	346.0	3.0
90°-150°	578.1	5.0
90°-180°	641.0	5.5
0°-180°	11666.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8986	
5°	8884	837
15°	8022	2247
25°	6424	2917
35°	3721	2317
45°	1206	1109
55°	566	575
65°	467	459
75°	344	362
85°	186	169
90°	105	63
95°	108	89
105°	112	118
115°	112	110
125°	107	96
135°	100	78
145°	92	58
155°	83	38
165°	68	20
175°	57	5
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8985.7
2.5°	8949.4
5°	8884.4
7.5°	8745.8
10°	8526.1
12.5°	8291.3
15°	8021.8
17.5°	7704.1
20°	7333.2
22.5°	6906.6
25°	6424.2
27.5°	5880.1
30°	5158.6
32.5°	4410.1
35°	3720.7
37.5°	3066.8
40°	2377.4
42.5°	1637.3
45°	1206.4
47.5°	1236.8
50°	1041.7
52.5°	722.3
55°	566.0
57.5°	523.0
60°	501.8
62.5°	486.6
65°	467.2
67.5°	441.9
70°	413.1
72.5°	380.2
75°	343.9
77.5°	306.7
80°	267.8
82.5°	228.1
85°	185.9
87.5°	142.8
90°	104.8
92.5°	106.5
95°	108.1
97.5°	109.0
100°	110.7
102.5°	111.5
105°	111.5
107.5°	111.5
110°	112.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	111.5
115°	111.5
117.5°	110.7
120°	109.8
122.5°	108.1
125°	107.3
127.5°	105.6
130°	103.9
132.5°	102.2
135°	100.5
137.5°	98.8
140°	97.2
142.5°	94.6
145°	92.1
147.5°	90.4
150°	87.9
152.5°	85.3
155°	82.8
157.5°	79.4
160°	76.0
162.5°	72.7
165°	68.4
167.5°	64.2
170°	60.0
172.5°	55.8
175°	56.6
177.5°	56.6
180°	56.6

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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	11.20	12.36	11.66	12.78	13.24	11.20	12.36	11.66	12.78	13.24
	3H	13.49	14.52	13.97	14.97	15.47	13.49	14.52	13.97	14.97	15.47
	4H	14.42	15.38	14.91	15.84	16.36	14.42	15.38	14.91	15.84	16.36
	6H	15.16	16.05	15.68	16.53	17.06	15.16	16.05	15.68	16.53	17.06
	8H	15.45	16.29	15.97	16.79	17.33	15.45	16.29	15.97	16.79	17.33
	12H	15.67	16.48	16.20	16.97	17.53	15.67	16.48	16.20	16.97	17.53
4H	2H	11.85	12.82	12.35	13.28	13.80	11.85	12.82	12.35	13.28	13.80
	3H	14.32	15.12	14.83	15.63	16.17	14.32	15.12	14.83	15.63	16.17
	4H	15.36	16.08	15.89	16.60	17.18	15.36	16.08	15.89	16.60	17.18
	6H	16.24	16.87	16.79	17.41	18.01	16.24	16.87	16.79	17.41	18.01
	8H	16.58	17.17	17.14	17.71	18.31	16.58	17.17	17.14	17.71	18.31
	12H	16.86	17.38	17.44	17.96	18.56	16.86	17.38	17.44	17.96	18.56
8H	4H	15.67	16.26	16.23	16.80	17.40	15.67	16.26	16.23	16.80	17.40
	6H	16.69	17.18	17.29	17.77	18.38	16.69	17.18	17.29	17.77	18.38
	8H	17.13	17.57	17.74	18.17	18.79	17.13	17.57	17.74	18.17	18.79
	12H	17.53	17.91	18.13	18.50	19.19	17.53	17.91	18.13	18.50	19.19
12H	4H	15.70	16.22	16.28	16.80	17.40	15.70	16.22	16.28	16.80	17.40
	6H	16.76	17.20	17.37	17.80	18.42	16.76	17.20	17.37	17.80	18.42
	8H	17.27	17.65	17.87	18.23	18.93	17.27	17.65	17.87	18.23	18.93

END OF REPORT