

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: P1221278

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221278
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

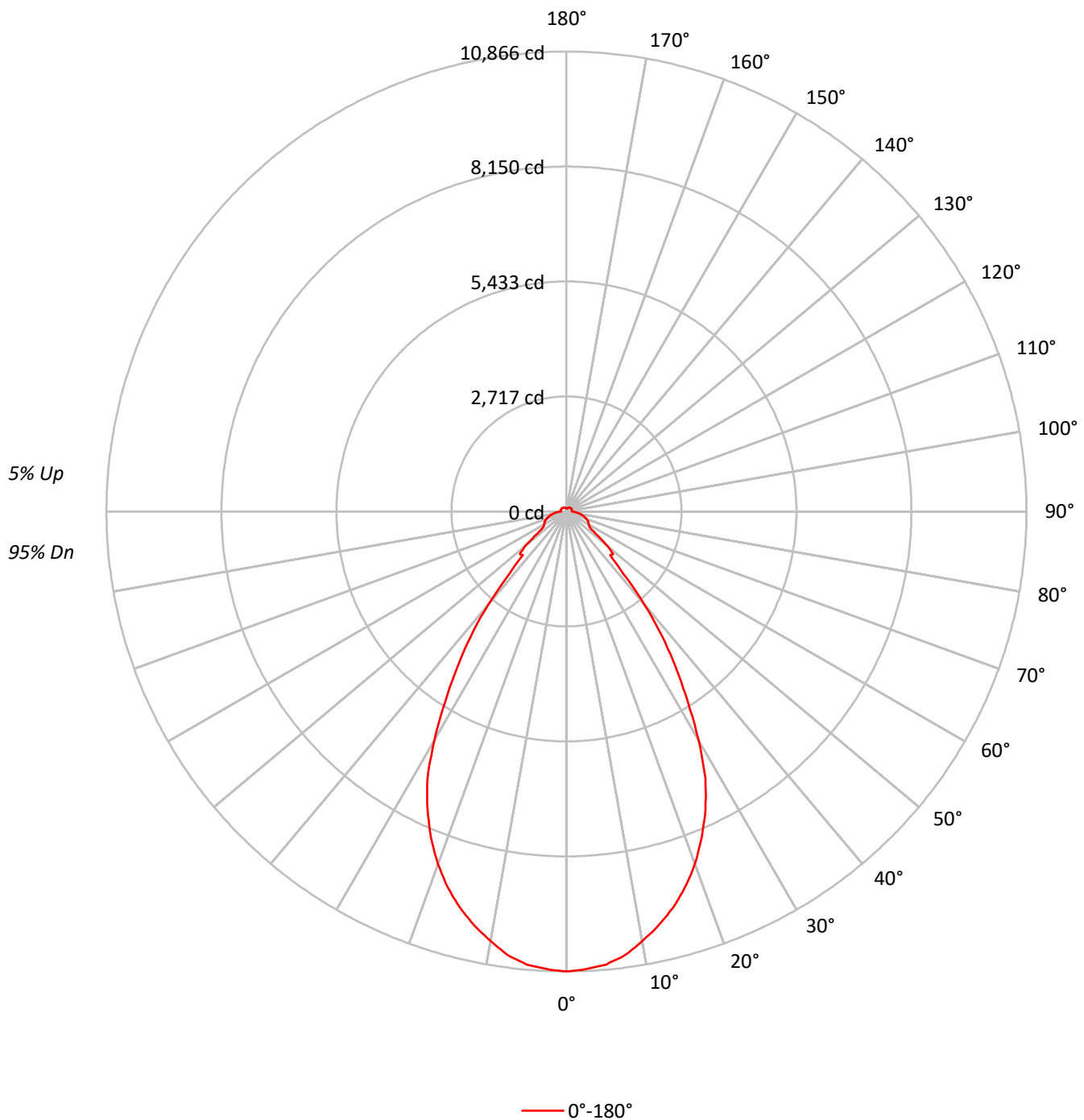
Lumens per Lamp: N/A
Luminaire Lumens: 14108.8 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 98.8
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	50	30	10
RCR																				
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	95
1	110	106	103	100	107	103	100	98	98	96	94	94	92	90	89	88	86	86	86	84
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	82	80	77	77	77	75
3	96	88	82	77	93	86	80	76	82	78	74	79	75	72	76	73	70	70	70	68
4	90	81	74	69	88	79	73	68	76	71	66	73	69	65	71	67	64	64	64	62
5	85	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58	58	58	56
6	79	69	62	57	77	68	61	56	66	60	55	63	58	54	62	57	54	54	54	52
7	75	64	57	52	73	63	56	52	61	55	51	59	54	50	58	53	50	50	50	48
8	71	60	53	48	69	59	52	48	57	51	47	56	50	46	54	49	46	46	46	44
9	67	56	49	44	65	55	49	44	54	48	44	52	47	43	51	46	43	43	43	41
10	63	52	46	41	62	52	45	41	50	45	41	49	44	40	48	43	40	40	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59405
5°	56317
10°	52293
15°	48007
20°	43169
25°	37489
30°	30072
35°	21832
40°	14151
45°	7343
50°	6537
55°	3695
60°	3441
65°	3400
70°	3229
75°	2927
80°	2524
85°	1978

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 7636 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1011.8	7.2
10°-20°	2717.1	19.3
20°-30°	3527.5	25.0
30°-40°	2801.6	19.9
40°-50°	1341.2	9.5
50°-60°	695.6	4.9
60°-70°	555.4	3.9
70°-80°	437.9	3.1
80°-90°	244.8	1.7
90°-100°	142.3	1.0
100°-110°	142.7	1.0
110°-120°	133.5	0.9
120°-130°	116.1	0.8
130°-140°	94.2	0.7
140°-150°	70.3	0.5
150°-160°	46.3	0.3
160°-170°	23.7	0.2
170°-180°	6.6	0.0
0°-30°	7256.5	51.4
0°-40°	10058.1	71.3
0°-60°	12094.9	85.7
0°-90°	13333.0	94.5
90°-120°	418.5	3.0
90°-150°	699.2	5.0
90°-180°	776.0	5.5
0°-180°	14108.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10866	
5°	10744	###
15°	9701	2717
25°	7769	3528
35°	4499	2802
45°	1459	1341
55°	684	696
65°	565	555
75°	416	438
85°	225	204
90°	127	76
95°	131	107
105°	135	143
115°	135	134
125°	130	116
135°	122	94
145°	111	70
155°	100	46
165°	83	24
175°	68	7
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10866.4
2.5°	10822.5
5°	10743.8
7.5°	10576.3
10°	10310.7
12.5°	10026.6
15°	9700.7
17.5°	9316.6
20°	8868.1
22.5°	8352.1
25°	7768.7
27.5°	7110.8
30°	6238.3
32.5°	5333.1
35°	4499.4
37.5°	3708.6
40°	2875.0
42.5°	1980.0
45°	1458.9
47.5°	1495.7
50°	1259.7
52.5°	873.5
55°	684.5
57.5°	632.4
60°	606.9
62.5°	588.5
65°	565.0
67.5°	534.3
70°	499.6
72.5°	459.7
75°	415.8
77.5°	370.9
80°	323.9
82.5°	275.8
85°	224.8
87.5°	172.7
90°	126.7
92.5°	128.7
95°	130.8
97.5°	131.8
100°	133.8
102.5°	134.9
105°	134.9
107.5°	134.9
110°	135.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	134.9
115°	134.9
117.5°	133.8
120°	132.8
122.5°	130.8
125°	129.8
127.5°	127.7
130°	125.7
132.5°	123.6
135°	121.6
137.5°	119.5
140°	117.5
142.5°	114.4
145°	111.4
147.5°	109.3
150°	106.3
152.5°	103.2
155°	100.1
157.5°	96.0
160°	91.9
162.5°	87.9
165°	82.8
167.5°	77.6
170°	72.5
172.5°	67.4
175°	68.5
177.5°	68.5
180°	68.5

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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	11.86	13.01	12.32	13.44	13.90	11.86	13.01	12.32	13.44	13.90
	3H	14.15	15.18	14.63	15.63	16.13	14.15	15.18	14.63	15.63	16.13
	4H	15.07	16.04	15.57	16.50	17.02	15.07	16.04	15.57	16.50	17.02
	6H	15.82	16.71	16.34	17.19	17.72	15.82	16.71	16.34	17.19	17.72
	8H	16.11	16.95	16.63	17.45	17.99	16.11	16.95	16.63	17.45	17.99
	12H	16.33	17.14	16.86	17.63	18.19	16.33	17.14	16.86	17.63	18.19
4H	2H	12.51	13.48	13.01	13.94	14.46	12.51	13.48	13.01	13.94	14.46
	3H	14.98	15.78	15.49	16.29	16.83	14.98	15.78	15.49	16.29	16.83
	4H	16.02	16.74	16.55	17.26	17.84	16.02	16.74	16.55	17.26	17.84
	6H	16.90	17.53	17.45	18.07	18.67	16.90	17.53	17.45	18.07	18.67
	8H	17.24	17.83	17.80	18.37	18.97	17.24	17.83	17.80	18.37	18.97
	12H	17.52	18.04	18.10	18.62	19.22	17.52	18.04	18.10	18.62	19.22
8H	4H	16.33	16.92	16.89	17.46	18.06	16.33	16.92	16.89	17.46	18.06
	6H	17.35	17.84	17.95	18.43	19.04	17.35	17.84	17.95	18.43	19.04
	8H	17.79	18.23	18.40	18.83	19.45	17.79	18.23	18.40	18.83	19.45
	12H	18.19	18.57	18.79	19.16	19.85	18.19	18.57	18.79	19.16	19.85
12H	4H	16.36	16.88	16.94	17.46	18.06	16.36	16.88	16.94	17.46	18.06
	6H	17.42	17.86	18.03	18.46	19.08	17.42	17.86	18.03	18.46	19.08
	8H	17.93	18.31	18.53	18.89	19.59	17.93	18.31	18.53	18.89	19.59