

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: P1221265

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3500K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221265
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

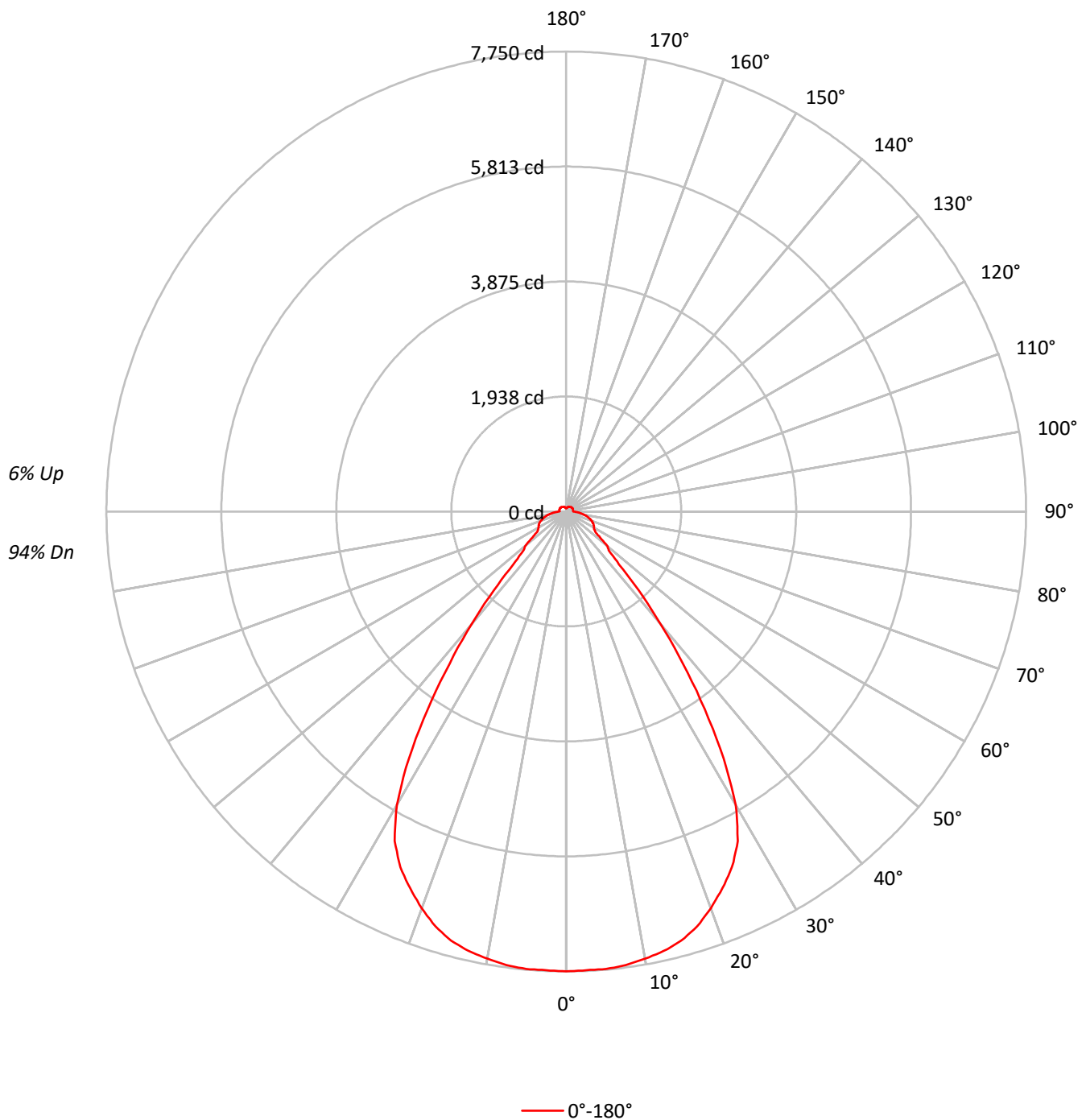
Lumens per Lamp: N/A
Luminaire Lumens: 11848.0 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 81.4
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	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°	42367
5°	40563
10°	38811
15°	37067
20°	34643
25°	31912
30°	27538
35°	19745
40°	12190
45°	6341
50°	4690
55°	3230
60°	3062
65°	3039
70°	2921
75°	2700
80°	2334
85°	1794

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6341 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	735.9	6.2
10°-20°	2103.8	17.8
20°-30°	3009.8	25.4
30°-40°	2524.1	21.3
40°-50°	1091.6	9.2
50°-60°	578.7	4.9
60°-70°	497.3	4.2
70°-80°	402.1	3.4
80°-90°	224.2	1.9
90°-100°	127.6	1.1
100°-110°	125.8	1.1
110°-120°	117.2	1.0
120°-130°	101.6	0.9
130°-140°	82.1	0.7
140°-150°	60.7	0.5
150°-160°	39.7	0.3
160°-170°	20.2	0.2
170°-180°	5.6	0.0
0°-30°	5849.5	49.4
0°-40°	8373.6	70.7
0°-60°	10043.9	84.8
0°-90°	11167.5	94.3
90°-120°	370.6	3.1
90°-150°	615.0	5.2
90°-180°	680.0	5.7
0°-180°	11848.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7750	
5°	7738	736
15°	7490	2104
25°	6613	3010
35°	4069	2524
45°	1260	1092
55°	598	579
65°	505	497
75°	384	402
85°	204	186
90°	123	70
95°	116	95
105°	119	126
115°	118	117
125°	113	102
135°	106	82
145°	96	61
155°	86	40
165°	71	20
175°	57	6
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7749.9
2.5°	7737.4
5°	7738.2
7.5°	7710.8
10°	7652.5
12.5°	7586.8
15°	7490.2
17.5°	7332.1
20°	7116.6
22.5°	6875.3
25°	6613.1
27.5°	6262.8
30°	5712.7
32.5°	4936.3
35°	4069.2
37.5°	3229.6
40°	2476.5
42.5°	1804.1
45°	1259.9
47.5°	972.0
50°	903.7
52.5°	714.0
55°	598.3
57.5°	559.2
60°	540.1
62.5°	524.3
65°	505.1
67.5°	481.0
70°	451.9
72.5°	419.4
75°	383.6
77.5°	343.7
80°	299.6
82.5°	253.8
85°	203.9
87.5°	153.9
90°	123.2
92.5°	114.0
95°	115.7
97.5°	117.3
100°	118.2
102.5°	119.0
105°	119.0
107.5°	119.0
110°	119.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	119.0
115°	118.2
117.5°	117.3
120°	116.5
122.5°	114.8
125°	113.2
127.5°	111.5
130°	109.8
132.5°	108.2
135°	105.7
137.5°	104.0
140°	101.5
142.5°	99.0
145°	96.5
147.5°	94.0
150°	91.5
152.5°	89.0
155°	85.7
157.5°	82.4
160°	78.2
162.5°	74.9
165°	70.7
167.5°	65.7
170°	61.6
172.5°	57.4
175°	57.4
177.5°	57.4
180°	57.4

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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	11.60	12.75	12.06	13.19	13.65	11.60	12.75	12.06	13.19	13.65
	3H	13.96	14.99	14.44	15.44	15.95	13.96	14.99	14.44	15.44	15.95
	4H	14.93	15.90	15.43	16.37	16.89	14.93	15.90	15.43	16.37	16.89
	6H	15.72	16.62	16.24	17.10	17.64	15.72	16.62	16.24	17.10	17.64
	8H	16.02	16.87	16.55	17.37	17.91	16.02	16.87	16.55	17.37	17.91
	12H	16.24	17.06	16.78	17.55	18.12	16.24	17.06	16.78	17.55	18.12
4H	2H	12.26	13.23	12.76	13.70	14.22	12.26	13.23	12.76	13.70	14.22
	3H	14.80	15.61	15.31	16.12	16.66	14.80	15.61	15.31	16.12	16.66
	4H	15.89	16.62	16.42	17.15	17.73	15.89	16.62	16.42	17.15	17.73
	6H	16.82	17.45	17.38	18.00	18.60	16.82	17.45	17.38	18.00	18.60
	8H	17.17	17.76	17.73	18.31	18.92	17.17	17.76	17.73	18.31	18.92
	12H	17.45	17.98	18.03	18.56	19.17	17.45	17.98	18.03	18.56	19.17
8H	4H	16.22	16.82	16.79	17.37	17.97	16.22	16.82	16.79	17.37	17.97
	6H	17.29	17.78	17.89	18.38	18.99	17.29	17.78	17.89	18.38	18.99
	8H	17.74	18.18	18.36	18.79	19.41	17.74	18.18	18.36	18.79	19.41
	12H	18.14	18.52	18.74	19.11	19.81	18.14	18.52	18.74	19.11	19.81
12H	4H	16.26	16.78	16.84	17.37	17.97	16.26	16.78	16.84	17.37	17.97
	6H	17.37	17.80	17.98	18.42	19.04	17.37	17.80	17.98	18.42	19.04
	8H	17.88	18.26	18.49	18.86	19.55	17.88	18.26	18.49	18.86	19.55