

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: P1221294

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221294
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-21)
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_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

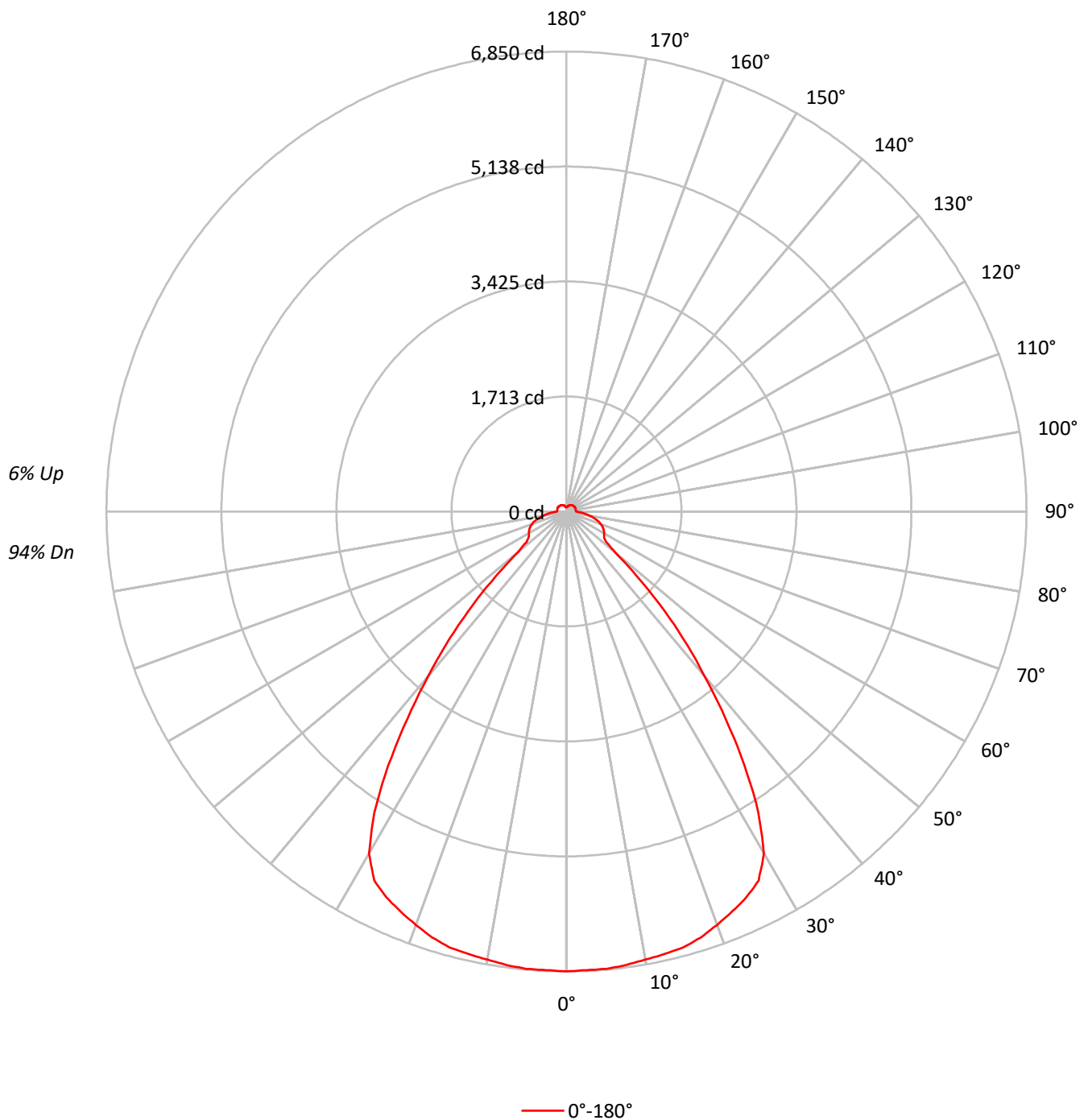
Lumens per Lamp: N/A
Luminaire Lumens: 12622.9 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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
RCR																					
0	118	118	118	118		114	114	114	114		108	108	108		102	102	102		96	96	96
1	109	105	102	98		106	102	99	96		97	94	92		92	90	88		88	86	84
2	101	95	89	84		98	92	87	83		88	84	80		84	80	77		80	77	75
3	94	86	79	74		91	84	78	73		80	75	71		76	72	69		73	70	67
4	88	78	71	65		85	76	70	64		73	67	63		70	65	61		67	63	60
5	82	71	64	58		80	70	63	58		67	61	57		65	59	55		62	58	54
6	77	66	58	53		75	64	57	52		62	56	51		60	54	50		58	53	49
7	72	60	53	48		70	59	52	47		57	51	47		55	50	46		54	49	45
8	68	56	49	44		66	55	48	43		53	47	43		52	46	42		50	45	41
9	64	52	45	40		62	51	44	40		50	43	39		48	43	39		47	42	38
10	60	48	41	37		59	48	41	37		46	40	36		45	40	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37448
5°	35840
10°	34364
15°	33259
20°	31905
25°	30605
30°	28341
35°	22453
40°	15731
45°	9954
50°	4875
55°	3712
60°	3660
65°	3650
70°	3517
75°	3194
80°	2666
85°	2029

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	650.6	5.2
10°-20°	1895.5	15.0
20°-30°	2908.5	23.0
30°-40°	2852.9	22.6
40°-50°	1531.4	12.1
50°-60°	646.3	5.1
60°-70°	597.1	4.7
70°-80°	474.8	3.8
80°-90°	255.4	2.0
90°-100°	152.2	1.2
100°-110°	150.2	1.2
110°-120°	139.8	1.1
120°-130°	121.3	1.0
130°-140°	98.1	0.8
140°-150°	72.3	0.6
150°-160°	46.7	0.4
160°-170°	23.4	0.2
170°-180°	6.3	0.1
0°-30°	5454.5	43.2
0°-40°	8307.5	65.8
0°-60°	10485.2	83.1
0°-90°	11812.5	93.6
90°-120°	442.3	3.5
90°-150°	734.0	5.8
90°-180°	810.0	6.4
0°-180°	12622.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6850	
5°	6837	651
15°	6721	1895
25°	6342	2908
35°	4627	2853
45°	1978	1531
55°	688	646
65°	607	597
75°	454	475
85°	231	211
90°	145	83
95°	139	114
105°	142	150
115°	141	140
125°	135	121
135°	127	98
145°	115	72
155°	100	47
165°	82	23
175°	66	6
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6850.0
2.5°	6837.3
5°	6837.3
7.5°	6813.7
10°	6775.6
12.5°	6752.8
15°	6720.7
17.5°	6652.3
20°	6554.3
22.5°	6450.4
25°	6342.2
27.5°	6196.1
30°	5879.3
32.5°	5322.5
35°	4627.2
37.5°	3893.0
40°	3196.0
42.5°	2573.4
45°	1977.8
47.5°	1415.1
50°	939.5
52.5°	747.7
55°	687.7
57.5°	663.2
60°	645.5
62.5°	628.6
65°	606.6
67.5°	578.7
70°	544.1
72.5°	502.7
75°	453.7
77.5°	398.8
80°	342.2
82.5°	285.6
85°	230.6
87.5°	177.4
90°	145.3
92.5°	136.9
95°	138.6
97.5°	139.4
100°	141.1
102.5°	141.9
105°	141.9
107.5°	142.8
110°	141.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	141.9
115°	141.1
117.5°	140.2
120°	138.6
122.5°	136.9
125°	135.2
127.5°	133.5
130°	131.0
132.5°	129.3
135°	126.7
137.5°	124.2
140°	120.8
142.5°	118.3
145°	114.9
147.5°	111.5
150°	108.1
152.5°	104.8
155°	100.5
157.5°	96.3
160°	92.1
162.5°	87.0
165°	81.9
167.5°	76.0
170°	70.1
172.5°	65.1
175°	65.9
177.5°	65.9
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	12.47	13.67	12.95	14.12	14.60	12.47	13.67	12.95	14.12	14.60
	3H	14.89	15.97	15.38	16.43	16.95	14.89	15.97	15.38	16.43	16.95
	4H	15.85	16.86	16.37	17.34	17.88	15.85	16.86	16.37	17.34	17.88
	6H	16.60	17.53	17.12	18.03	18.57	16.60	17.53	17.12	18.03	18.57
	8H	16.87	17.75	17.41	18.27	18.82	16.87	17.75	17.41	18.27	18.82
	12H	17.07	17.92	17.61	18.43	19.01	17.07	17.92	17.61	18.43	19.01
4H	2H	13.17	14.17	13.68	14.65	15.19	13.17	14.17	13.68	14.65	15.19
	3H	15.75	16.59	16.28	17.12	17.68	15.75	16.59	16.28	17.12	17.68
	4H	16.83	17.59	17.37	18.13	18.72	16.83	17.59	17.37	18.13	18.72
	6H	17.70	18.36	18.27	18.92	19.53	17.70	18.36	18.27	18.92	19.53
	8H	18.02	18.64	18.59	19.20	19.82	18.02	18.64	18.59	19.20	19.82
	12H	18.28	18.83	18.87	19.42	20.04	18.28	18.83	18.87	19.42	20.04
8H	4H	17.16	17.78	17.73	18.34	18.95	17.16	17.78	17.73	18.34	18.95
	6H	18.16	18.67	18.76	19.28	19.90	18.16	18.67	18.76	19.28	19.90
	8H	18.57	19.03	19.19	19.65	20.29	18.57	19.03	19.19	19.65	20.29
	12H	18.94	19.34	19.55	19.94	20.65	18.94	19.34	19.55	19.94	20.65
12H	4H	17.19	17.74	17.77	18.33	18.95	17.19	17.74	17.77	18.33	18.95
	6H	18.23	18.68	18.85	19.30	19.94	18.23	18.68	18.85	19.30	19.94
	8H	18.70	19.10	19.31	19.70	20.41	18.70	19.10	19.31	19.70	20.41

END OF REPORT