

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: P1221338

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221338
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

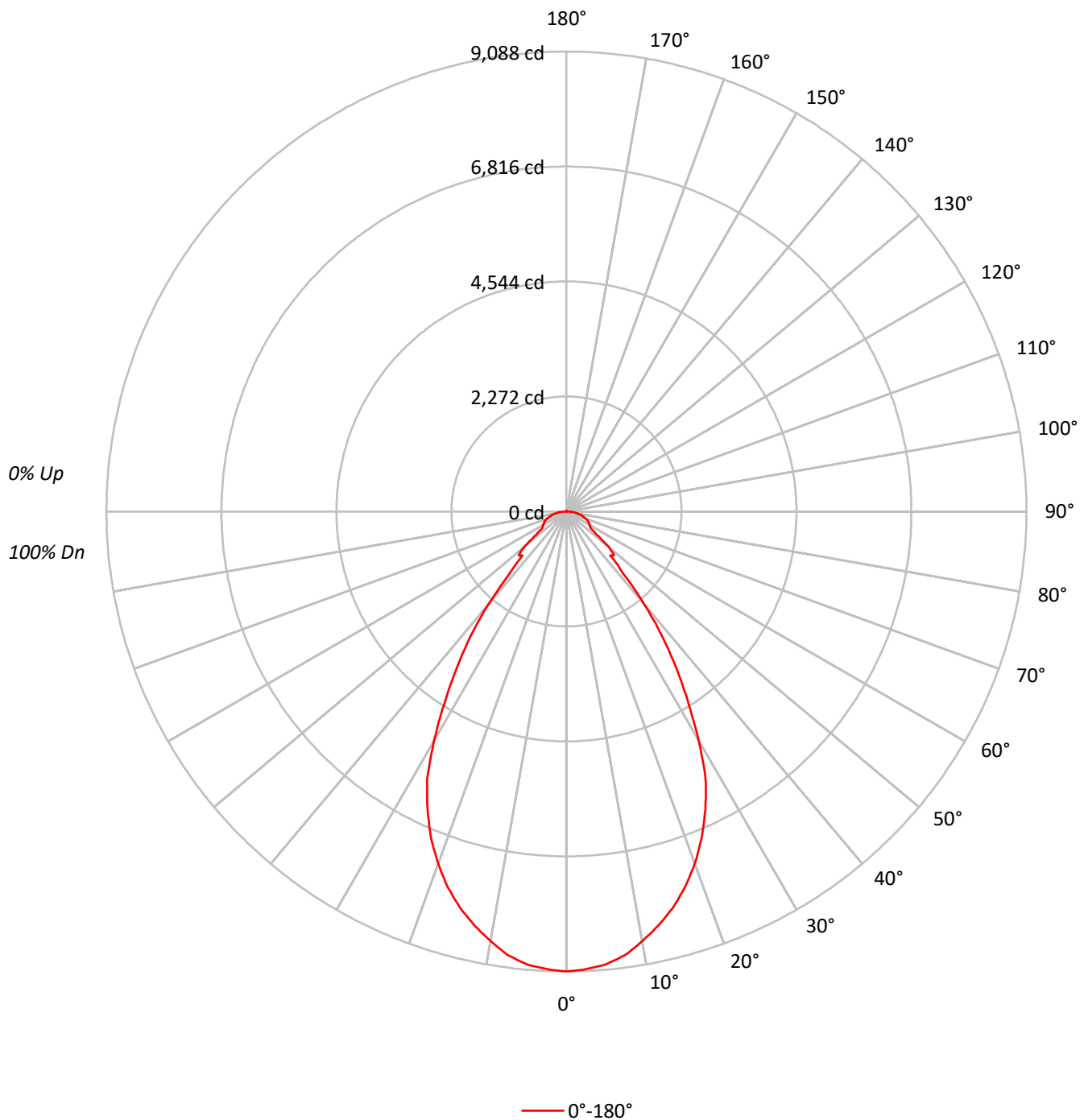
Lumens per Lamp: N/A
Luminaire Lumens: 11077.8 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		80
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		66
5	86	76	69	64	84	75	69	64	73	68	63		72	66	63		60
6	81	71	64	59	80	70	63	58	68	62	58		67	61	57		55
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		51
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		47
9	68	57	51	46	67	57	50	46	56	50	46		55	49	46		44
10	65	54	47	43	64	53	47	43	53	47	43		52	46	43		41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49683
5°	47098
10°	43735
15°	40137
20°	36076
25°	31343
30°	25185
35°	18329
40°	11839
45°	6165
50°	5599
55°	3224
60°	2984
65°	2852
70°	2589
75°	2183
80°	1653
85°	937

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 6534 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	846.2	7.6
10°-20°	2271.5	20.5
20°-30°	2950.9	26.6
30°-40°	2349.6	21.2
40°-50°	1131.2	10.2
50°-60°	603.4	5.4
60°-70°	465.8	4.2
70°-80°	325.6	2.9
80°-90°	115.2	1.0
90°-100°	0.9	0.0
100°-110°	1.2	0.0
110°-120°	1.7	0.0
120°-130°	1.8	0.0
130°-140°	2.4	0.0
140°-150°	3.7	0.0
150°-160°	3.5	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	6068.6	54.8
0°-40°	8418.1	76.0
0°-60°	10152.7	91.6
0°-90°	11059.3	99.8
90°-120°	3.8	0.0
90°-150°	11.7	0.1
90°-180°	19.0	0.2
0°-180°	11077.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9088	
5°	8985	846
15°	8110	2271
25°	6495	2951
35°	3777	2350
45°	1225	1131
55°	597	603
65°	474	466
75°	310	326
85°	106	108
90°	1	7
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	3	2
145°	6	4
155°	8	4
165°	8	2
175°	10	1
180°	10	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9088.0
2.5°	9053.3
5°	8984.9
7.5°	8844.6
10°	8623.3
12.5°	8383.4
15°	8110.5
17.5°	7786.9
20°	7411.0
22.5°	6984.3
25°	6495.1
27.5°	5953.6
30°	5224.5
32.5°	4479.4
35°	3777.3
37.5°	3106.5
40°	2405.3
42.5°	1655.9
45°	1225.0
47.5°	1279.9
50°	1078.9
52.5°	756.1
55°	597.3
57.5°	553.4
60°	526.3
62.5°	503.5
65°	474.0
67.5°	439.3
70°	400.5
72.5°	356.5
75°	310.1
77.5°	261.1
80°	212.1
82.5°	160.5
85°	106.5
87.5°	49.8
90°	0.8
92.5°	0.8
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	0.8
107.5°	1.7
110°	1.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.7
115°	1.7
117.5°	1.7
120°	1.7
122.5°	1.7
125°	1.7
127.5°	2.5
130°	2.5
132.5°	2.5
135°	3.4
137.5°	3.4
140°	4.2
142.5°	5.1
145°	5.9
147.5°	6.8
150°	7.6
152.5°	7.6
155°	7.6
157.5°	7.6
160°	7.6
162.5°	8.4
165°	8.4
167.5°	9.3
170°	9.3
172.5°	9.3
175°	10.1
177.5°	10.1
180°	10.1

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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	12.02	13.25	12.39	13.56	13.88	12.02	13.25	12.39	13.56	13.88
	3H	14.07	15.16	14.45	15.50	15.87	14.07	15.16	14.45	15.50	15.87
	4H	14.81	15.84	15.22	16.19	16.58	14.81	15.84	15.22	16.19	16.58
	6H	15.33	16.27	15.75	16.65	17.05	15.33	16.27	15.75	16.65	17.05
	8H	15.48	16.37	15.92	16.77	17.18	15.48	16.37	15.92	16.77	17.18
	12H	15.56	16.41	15.99	16.79	17.23	15.56	16.41	15.99	16.79	17.23
4H	2H	12.61	13.63	13.02	13.99	14.38	12.61	13.63	13.02	13.99	14.38
	3H	14.83	15.67	15.25	16.08	16.49	14.83	15.67	15.25	16.08	16.49
	4H	15.68	16.44	16.12	16.86	17.31	15.68	16.44	16.12	16.86	17.31
	6H	16.30	16.96	16.77	17.41	17.88	16.30	16.96	16.77	17.41	17.88
	8H	16.49	17.10	16.96	17.55	18.02	16.49	17.10	16.96	17.55	18.02
	12H	16.59	17.13	17.08	17.62	18.10	16.59	17.13	17.08	17.62	18.10
8H	4H	15.91	16.53	16.39	16.98	17.45	15.91	16.53	16.39	16.98	17.45
	6H	16.64	17.14	17.15	17.64	18.13	16.64	17.14	17.15	17.64	18.13
	8H	16.89	17.34	17.42	17.86	18.35	16.89	17.34	17.42	17.86	18.35
	12H	17.06	17.45	17.58	17.95	18.53	17.06	17.45	17.58	17.95	18.53
12H	4H	15.92	16.46	16.41	16.95	17.42	15.92	16.46	16.41	16.95	17.42
	6H	16.67	17.11	17.19	17.63	18.13	16.67	17.11	17.19	17.63	18.13
	8H	16.96	17.35	17.48	17.85	18.43	16.96	17.35	17.48	17.85	18.43