

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: P1221239

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (5000K_L12_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221239
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (5000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

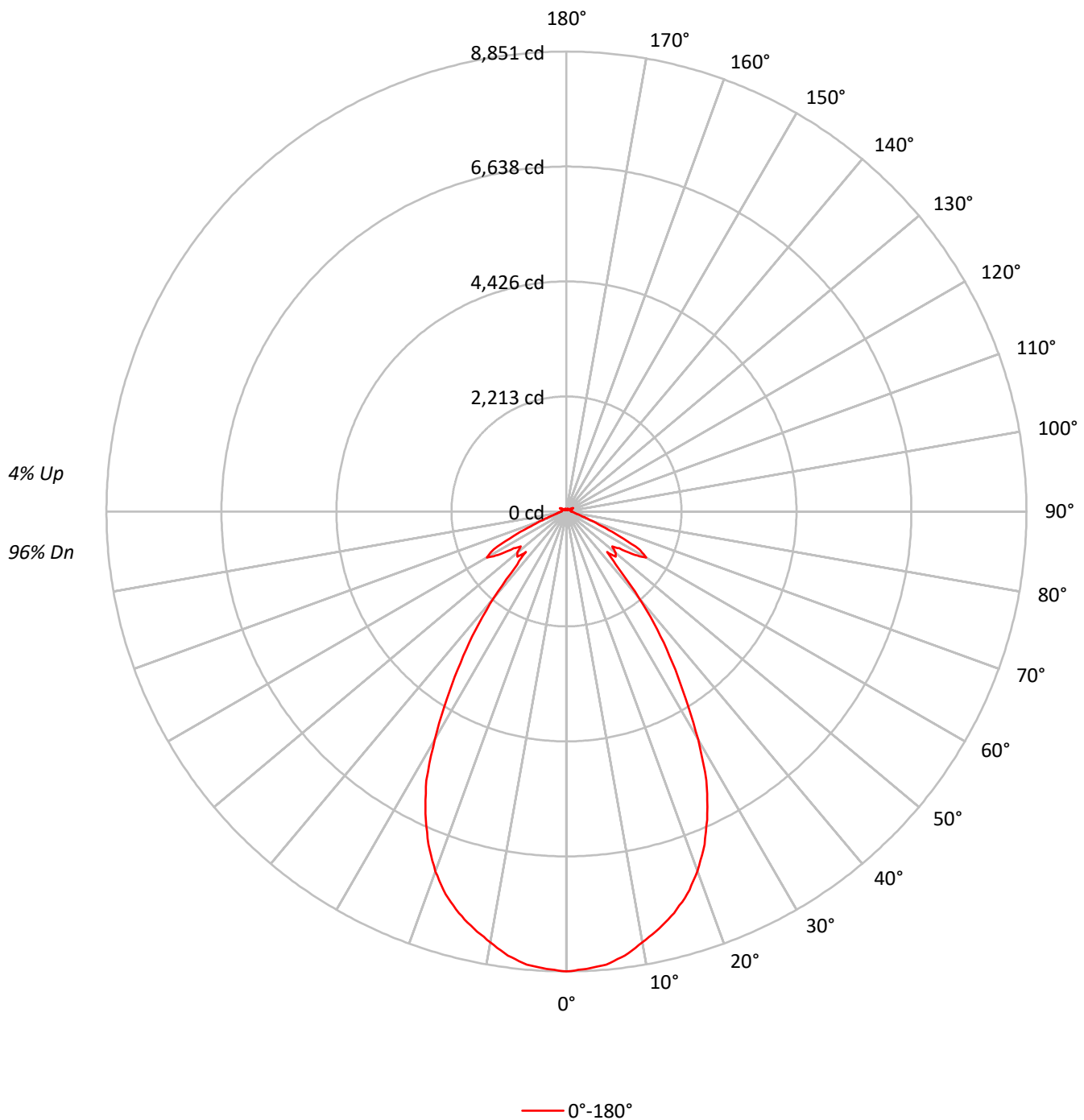
Lumens per Lamp: N/A
Luminaire Lumens: 12496.6 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.4
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	115	115	115	115	109	109	109	104	104	104	99	99	99
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87
2	102	95	90	85	99	93	88	84	89	85	82	86	82	79	82	79	77
3	95	86	80	74	92	85	78	73	81	76	72	78	74	70	75	72	68
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	61
5	83	72	64	59	80	71	64	58	68	62	57	66	61	56	64	59	56
6	77	66	59	53	75	65	58	53	63	57	52	61	56	51	59	54	51
7	73	61	54	48	71	60	53	48	59	52	48	57	51	47	55	50	47
8	69	57	50	45	67	56	49	44	55	48	44	53	48	43	52	47	43
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48387
5°	45886
10°	42704
15°	39598
20°	35880
25°	30968
30°	24400
35°	17231
40°	10685
45°	5572
50°	6401
55°	6659
60°	10051
65°	6749
70°	3150
75°	1725
80°	1277
85°	1067

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 10051 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	824.9	6.6
10°-20°	2242.2	17.9
20°-30°	2908.9	23.3
30°-40°	2213.2	17.7
40°-50°	1067.5	8.5
50°-60°	1218.1	9.7
60°-70°	1123.9	9.0
70°-80°	289.9	2.3
80°-90°	134.9	1.1
90°-100°	93.6	0.7
100°-110°	86.3	0.7
110°-120°	120.8	1.0
120°-130°	73.4	0.6
130°-140°	28.0	0.2
140°-150°	27.0	0.2
150°-160°	27.4	0.2
160°-170°	13.6	0.1
170°-180°	2.9	0.0
0°-30°	5976.0	47.8
0°-40°	8189.2	65.5
0°-60°	10474.9	83.8
0°-90°	12023.6	96.2
90°-120°	300.7	2.4
90°-150°	429.1	3.4
90°-180°	473.0	3.8
0°-180°	12496.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8851	
5°	8754	825
15°	8002	2242
25°	6417	2909
35°	3551	2213
45°	1107	1068
55°	1234	1218
65°	1122	1124
75°	245	290
85°	121	108
90°	92	52
95°	84	69
105°	82	86
115°	141	121
125°	79	73
135°	33	28
145°	44	27
155°	61	27
165°	47	14
175°	29	3
180°	27	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8851.0
2.5°	8813.4
5°	8753.7
7.5°	8621.4
10°	8419.9
12.5°	8226.1
15°	8001.6
17.5°	7725.9
20°	7370.8
22.5°	6937.2
25°	6417.4
27.5°	5832.6
30°	5061.8
32.5°	4274.8
35°	3551.0
37.5°	2873.2
40°	2170.7
42.5°	1460.5
45°	1107.1
47.5°	1283.0
50°	1233.5
52.5°	1108.0
55°	1233.5
57.5°	1560.4
60°	1772.9
62.5°	1577.5
65°	1121.6
67.5°	736.7
70°	487.4
72.5°	337.2
75°	245.0
77.5°	192.9
80°	163.9
82.5°	140.8
85°	121.2
87.5°	105.0
90°	92.2
92.5°	87.1
95°	83.7
97.5°	83.7
100°	85.4
102.5°	86.2
105°	81.9
107.5°	75.1
110°	80.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	109.3
115°	140.8
117.5°	138.3
120°	118.7
122.5°	99.0
125°	79.4
127.5°	62.3
130°	48.7
132.5°	39.3
135°	33.3
137.5°	30.7
140°	31.6
142.5°	36.7
145°	43.5
147.5°	50.4
150°	55.5
152.5°	58.9
155°	60.6
157.5°	60.6
160°	58.0
162.5°	53.8
165°	46.9
167.5°	40.1
170°	34.1
172.5°	29.9
175°	29.0
177.5°	27.3
180°	27.3

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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	18.60	19.88	19.03	20.27	20.69	18.60	19.88	19.03	20.27	20.69
	3H	19.19	20.34	19.64	20.75	21.21	19.19	20.34	19.64	20.75	21.21
	4H	19.23	20.30	19.70	20.73	21.21	19.23	20.30	19.70	20.73	21.21
	6H	19.23	20.22	19.71	20.67	21.15	19.23	20.22	19.71	20.67	21.15
	8H	19.23	20.16	19.72	20.63	21.13	19.23	20.16	19.72	20.63	21.13
	12H	19.22	20.12	19.72	20.57	21.10	19.22	20.12	19.72	20.57	21.10
4H	2H	19.00	20.07	19.47	20.50	20.98	19.00	20.07	19.47	20.50	20.98
	3H	19.61	20.50	20.09	20.98	21.47	19.61	20.50	20.09	20.98	21.47
	4H	19.66	20.47	20.16	20.96	21.49	19.66	20.47	20.16	20.96	21.49
	6H	19.70	20.39	20.23	20.91	21.46	19.70	20.39	20.23	20.91	21.46
	8H	19.70	20.35	20.24	20.87	21.42	19.70	20.35	20.24	20.87	21.42
	12H	19.72	20.29	20.26	20.83	21.40	19.72	20.29	20.26	20.83	21.40
8H	4H	19.61	20.25	20.14	20.77	21.33	19.61	20.25	20.14	20.77	21.33
	6H	19.67	20.19	20.23	20.76	21.32	19.67	20.19	20.23	20.76	21.32
	8H	19.70	20.16	20.28	20.74	21.32	19.70	20.16	20.28	20.74	21.32
	12H	19.75	20.15	20.33	20.71	21.37	19.75	20.15	20.33	20.71	21.37
12H	4H	19.58	20.15	20.12	20.70	21.26	19.58	20.15	20.12	20.70	21.26
	6H	19.64	20.10	20.22	20.68	21.26	19.64	20.10	20.22	20.68	21.26
	8H	19.69	20.10	20.27	20.66	21.31	19.69	20.10	20.27	20.66	21.31

END OF REPORT