

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: P1221230

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L12_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221230
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 (4000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

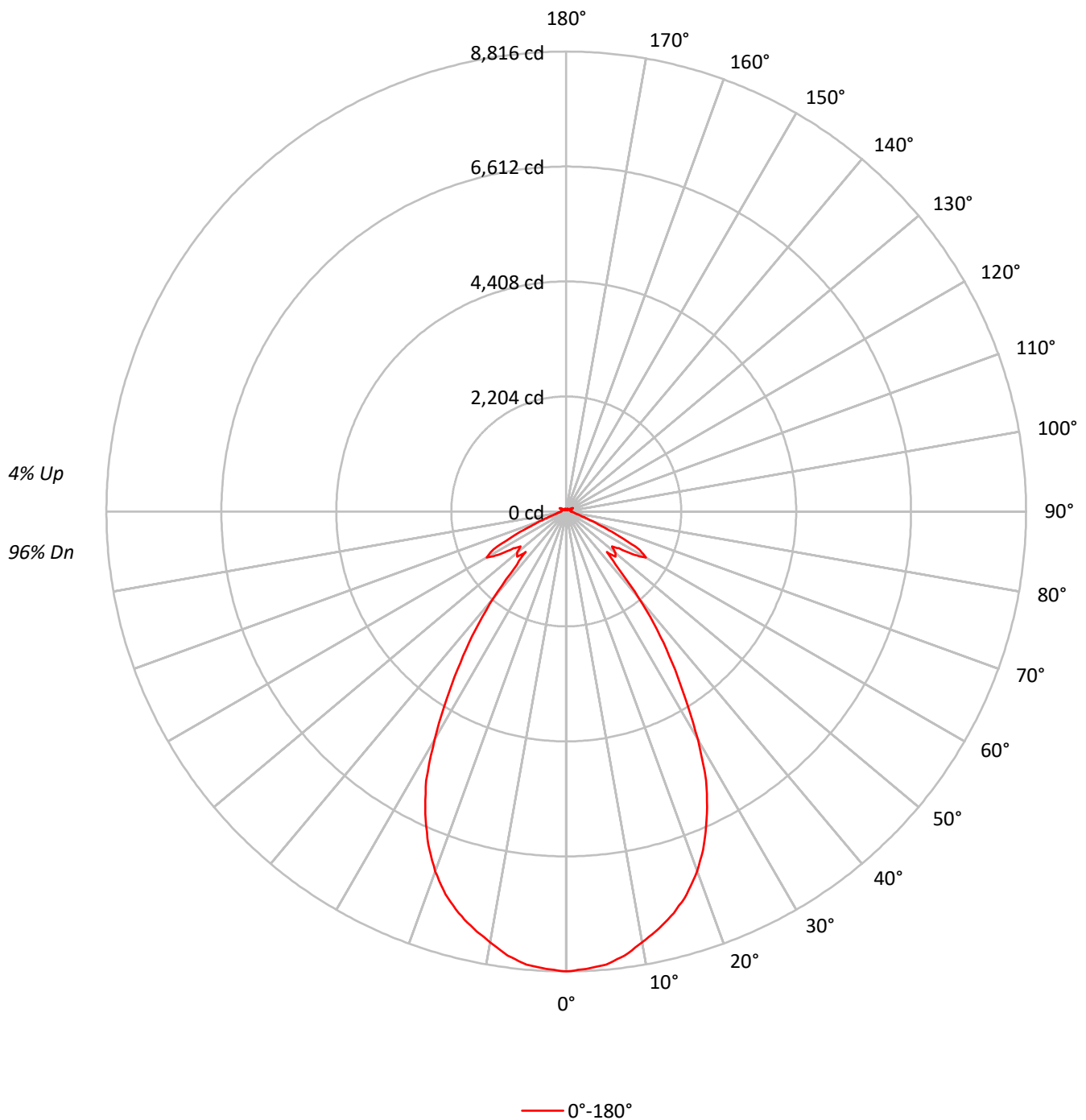
Lumens per Lamp: N/A
Luminaire Lumens: 12446.5 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.1
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°	48193
5°	45702
10°	42533
15°	39440
20°	35736
25°	30844
30°	24303
35°	17162
40°	10642
45°	5550
50°	6375
55°	6632
60°	10011
65°	6722
70°	3138
75°	1718
80°	1272
85°	1062

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 10011 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	821.6	6.6
10°-20°	2233.2	17.9
20°-30°	2897.3	23.3
30°-40°	2204.4	17.7
40°-50°	1063.2	8.5
50°-60°	1213.2	9.7
60°-70°	1119.4	9.0
70°-80°	288.7	2.3
80°-90°	134.4	1.1
90°-100°	93.2	0.7
100°-110°	85.9	0.7
110°-120°	120.3	1.0
120°-130°	73.1	0.6
130°-140°	27.8	0.2
140°-150°	27.0	0.2
150°-160°	27.3	0.2
160°-170°	13.6	0.1
170°-180°	2.9	0.0
0°-30°	5952.1	47.8
0°-40°	8156.5	65.5
0°-60°	10432.9	83.8
0°-90°	11975.4	96.2
90°-120°	299.4	2.4
90°-150°	427.3	3.4
90°-180°	471.0	3.8
0°-180°	12446.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8816	
5°	8719	822
15°	7970	2233
25°	6392	2897
35°	3537	2204
45°	1103	1063
55°	1228	1213
65°	1117	1119
75°	244	289
85°	121	107
90°	92	51
95°	83	69
105°	82	86
115°	140	120
125°	79	73
135°	33	28
145°	43	27
155°	60	27
165°	47	14
175°	29	3
180°	27	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8815.6
2.5°	8778.2
5°	8718.6
7.5°	8586.9
10°	8386.2
12.5°	8193.2
15°	7969.6
17.5°	7695.0
20°	7341.3
22.5°	6909.5
25°	6391.7
27.5°	5809.3
30°	5041.6
32.5°	4257.7
35°	3536.8
37.5°	2861.7
40°	2162.0
42.5°	1454.7
45°	1102.7
47.5°	1277.8
50°	1228.5
52.5°	1103.5
55°	1228.5
57.5°	1554.1
60°	1765.8
62.5°	1571.1
65°	1117.1
67.5°	733.7
70°	485.5
72.5°	335.8
75°	244.0
77.5°	192.1
80°	163.2
82.5°	140.3
85°	120.7
87.5°	104.6
90°	91.8
92.5°	86.7
95°	83.3
97.5°	83.3
100°	85.0
102.5°	85.9
105°	81.6
107.5°	74.8
110°	79.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.8
115°	140.3
117.5°	137.7
120°	118.2
122.5°	98.6
125°	79.1
127.5°	62.1
130°	48.5
132.5°	39.1
135°	33.2
137.5°	30.6
140°	31.5
142.5°	36.6
145°	43.4
147.5°	50.2
150°	55.3
152.5°	58.7
155°	60.4
157.5°	60.4
160°	57.8
162.5°	53.6
165°	46.8
167.5°	40.0
170°	34.0
172.5°	29.8
175°	28.9
177.5°	27.2
180°	27.2

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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	18.59	19.87	19.02	20.26	20.67	18.59	19.87	19.02	20.26	20.67
	3H	19.18	20.32	19.62	20.73	21.19	19.18	20.32	19.62	20.73	21.19
	4H	19.22	20.29	19.68	20.72	21.19	19.22	20.29	19.68	20.72	21.19
	6H	19.22	20.21	19.70	20.65	21.14	19.22	20.21	19.70	20.65	21.14
	8H	19.21	20.15	19.71	20.62	21.11	19.21	20.15	19.71	20.62	21.11
	12H	19.20	20.10	19.70	20.56	21.08	19.20	20.10	19.70	20.56	21.08
4H	2H	18.99	20.06	19.45	20.49	20.96	18.99	20.06	19.45	20.49	20.96
	3H	19.59	20.48	20.07	20.96	21.46	19.59	20.48	20.07	20.96	21.46
	4H	19.65	20.45	20.15	20.94	21.47	19.65	20.45	20.15	20.94	21.47
	6H	19.69	20.38	20.21	20.89	21.45	19.69	20.38	20.21	20.89	21.45
	8H	19.69	20.33	20.22	20.85	21.41	19.69	20.33	20.22	20.85	21.41
	12H	19.70	20.27	20.25	20.82	21.38	19.70	20.27	20.25	20.82	21.38
8H	4H	19.60	20.24	20.13	20.76	21.31	19.60	20.24	20.13	20.76	21.31
	6H	19.66	20.18	20.22	20.74	21.31	19.66	20.18	20.22	20.74	21.31
	8H	19.69	20.15	20.27	20.73	21.31	19.69	20.15	20.27	20.73	21.31
	12H	19.73	20.14	20.31	20.70	21.35	19.73	20.14	20.31	20.70	21.35
12H	4H	19.56	20.13	20.11	20.68	21.24	19.56	20.13	20.11	20.68	21.24
	6H	19.62	20.09	20.20	20.67	21.25	19.62	20.09	20.20	20.67	21.25
	8H	19.68	20.08	20.26	20.64	21.30	19.68	20.08	20.26	20.64	21.30

END OF REPORT