

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: P1221233

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221233
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_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

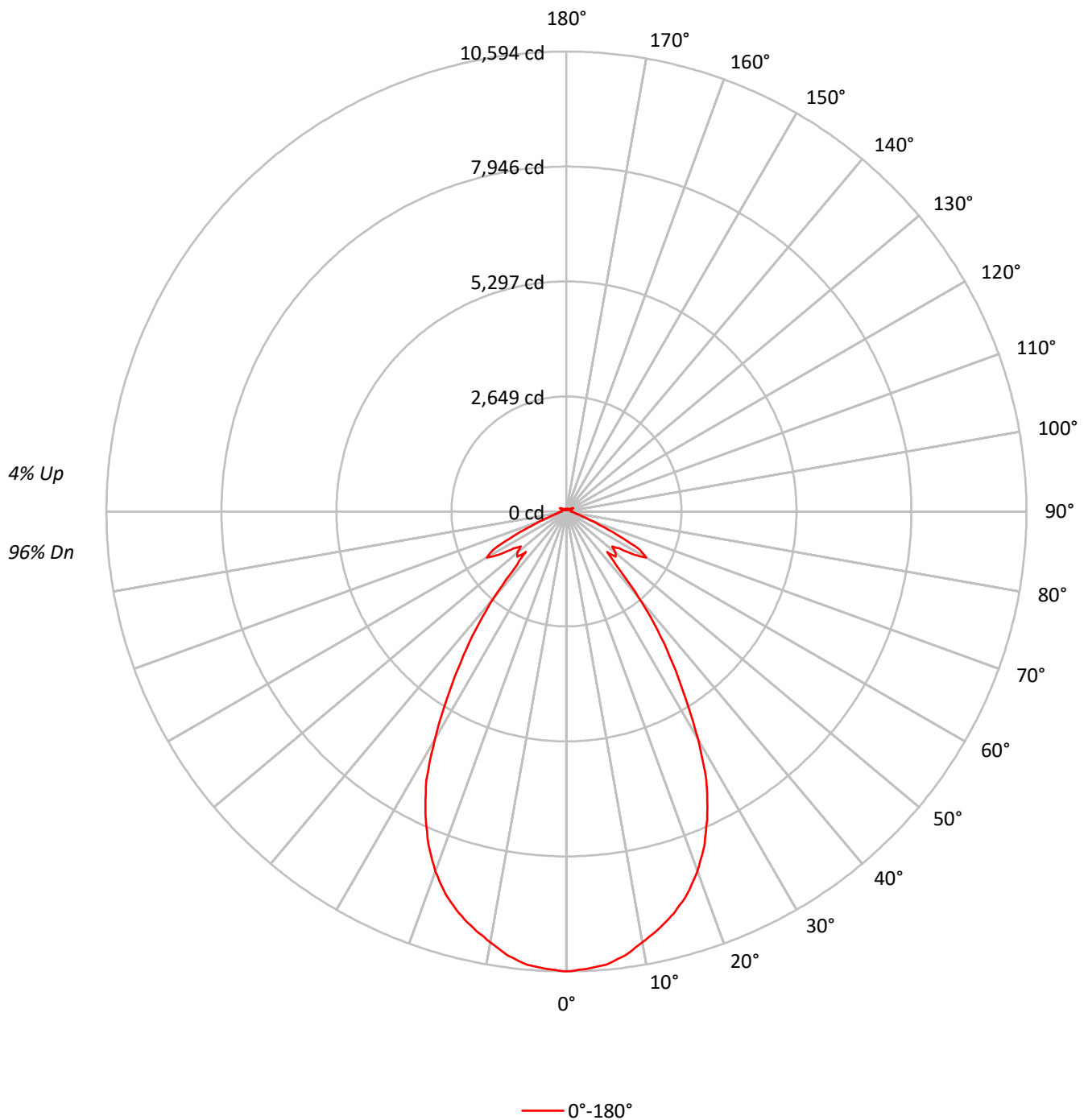
Lumens per Lamp: N/A
Luminaire Lumens: 14957.0 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 98.8
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°	57914
5°	54920
10°	51111
15°	47395
20°	42945
25°	37065
30°	29205
35°	20623
40°	12788
45°	6669
50°	7661
55°	7969
60°	12030
65°	8078
70°	3771
75°	2064
80°	1529
85°	1277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 12030 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	987.3	6.6
10°-20°	2683.7	17.9
20°-30°	3481.6	23.3
30°-40°	2649.0	17.7
40°-50°	1277.7	8.5
50°-60°	1457.9	9.7
60°-70°	1345.2	9.0
70°-80°	347.0	2.3
80°-90°	161.5	1.1
90°-100°	112.0	0.7
100°-110°	103.3	0.7
110°-120°	144.6	1.0
120°-130°	87.8	0.6
130°-140°	33.4	0.2
140°-150°	32.4	0.2
150°-160°	32.8	0.2
160°-170°	16.3	0.1
170°-180°	3.5	0.0
0°-30°	7152.6	47.8
0°-40°	9801.6	65.5
0°-60°	12537.2	83.8
0°-90°	14391.0	96.2
90°-120°	359.9	2.4
90°-150°	513.5	3.4
90°-180°	566.0	3.8
0°-180°	14957.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10594	
5°	10477	987
15°	9577	2684
25°	7681	3482
35°	4250	2649
45°	1325	1278
55°	1476	1458
65°	1342	1345
75°	293	347
85°	145	129
90°	110	62
95°	100	83
105°	98	103
115°	169	145
125°	95	88
135°	40	33
145°	52	32
155°	72	33
165°	56	16
175°	35	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10593.7
2.5°	10548.7
5°	10477.2
7.5°	10318.8
10°	10077.7
12.5°	9845.8
15°	9577.1
17.5°	9247.1
20°	8822.1
22.5°	8303.1
25°	7680.9
27.5°	6981.0
30°	6058.5
32.5°	5116.5
35°	4250.1
37.5°	3438.9
40°	2598.1
42.5°	1748.1
45°	1325.1
47.5°	1535.6
50°	1476.3
52.5°	1326.1
55°	1476.3
57.5°	1867.6
60°	2122.0
62.5°	1888.0
65°	1342.5
67.5°	881.7
70°	583.4
72.5°	403.6
75°	293.2
77.5°	230.9
80°	196.2
82.5°	168.6
85°	145.1
87.5°	125.7
90°	110.3
92.5°	104.2
95°	100.1
97.5°	100.1
100°	102.2
102.5°	103.2
105°	98.1
107.5°	89.9
110°	96.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	130.8
115°	168.6
117.5°	165.5
120°	142.0
122.5°	118.5
125°	95.0
127.5°	74.6
130°	58.2
132.5°	47.0
135°	39.8
137.5°	36.8
140°	37.8
142.5°	43.9
145°	52.1
147.5°	60.3
150°	66.4
152.5°	70.5
155°	72.5
157.5°	72.5
160°	69.5
162.5°	64.4
165°	56.2
167.5°	48.0
170°	40.9
172.5°	35.8
175°	34.7
177.5°	32.7
180°	32.7

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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	19.23	20.50	19.66	20.90	21.31	19.23	20.50	19.66	20.90	21.31
	3H	19.82	20.96	20.26	21.37	21.83	19.82	20.96	20.26	21.37	21.83
	4H	19.86	20.93	20.32	21.36	21.83	19.86	20.93	20.32	21.36	21.83
	6H	19.86	20.85	20.34	21.29	21.78	19.86	20.85	20.34	21.29	21.78
	8H	19.85	20.79	20.34	21.25	21.75	19.85	20.79	20.34	21.25	21.75
	12H	19.84	20.74	20.34	21.20	21.72	19.84	20.74	20.34	21.20	21.72
4H	2H	19.62	20.70	20.09	21.13	21.60	19.62	20.70	20.09	21.13	21.60
	3H	20.23	21.12	20.71	21.60	22.09	20.23	21.12	20.71	21.60	22.09
	4H	20.29	21.09	20.79	21.58	22.11	20.29	21.09	20.79	21.58	22.11
	6H	20.33	21.02	20.85	21.53	22.09	20.33	21.02	20.85	21.53	22.09
	8H	20.33	20.97	20.86	21.49	22.05	20.33	20.97	20.86	21.49	22.05
	12H	20.34	20.91	20.89	21.46	22.02	20.34	20.91	20.89	21.46	22.02
8H	4H	20.23	20.88	20.76	21.39	21.95	20.23	20.88	20.76	21.39	21.95
	6H	20.30	20.82	20.86	21.38	21.95	20.30	20.82	20.86	21.38	21.95
	8H	20.32	20.79	20.91	21.37	21.94	20.32	20.79	20.91	21.37	21.94
	12H	20.37	20.78	20.95	21.34	21.99	20.37	20.78	20.95	21.34	21.99
12H	4H	20.20	20.77	20.75	21.32	21.88	20.20	20.77	20.75	21.32	21.88
	6H	20.26	20.73	20.84	21.30	21.88	20.26	20.73	20.84	21.30	21.88
	8H	20.32	20.72	20.90	21.28	21.94	20.32	20.72	20.90	21.28	21.94

END OF REPORT