

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: P1221254

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (6500K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221254
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 (6500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

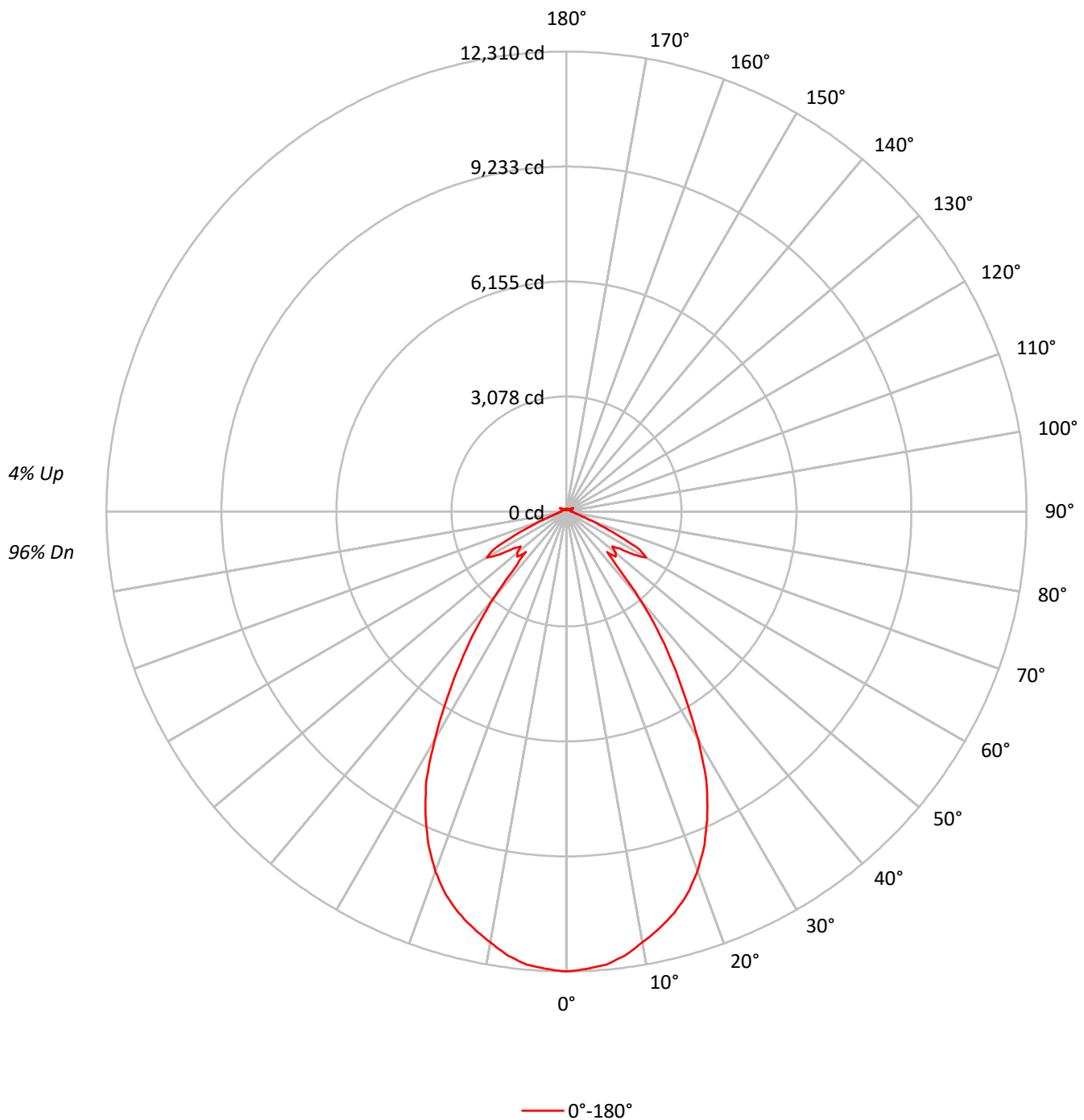
Lumens per Lamp: N/A
Luminaire Lumens: 17380.6 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 122.6
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	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°	67298
5°	63820
10°	59394
15°	55075
20°	49904
25°	43071
30°	33937
35°	23965
40°	14861
45°	7750
50°	8902
55°	9261
60°	13980
65°	9387
70°	4382
75°	2398
80°	1776
85°	1484

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 13980 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1147.3	6.6
10°-20°	3118.5	17.9
20°-30°	4045.8	23.3
30°-40°	3078.3	17.7
40°-50°	1484.7	8.5
50°-60°	1694.2	9.7
60°-70°	1563.2	9.0
70°-80°	403.2	2.3
80°-90°	187.7	1.1
90°-100°	130.2	0.7
100°-110°	120.0	0.7
110°-120°	168.0	1.0
120°-130°	102.0	0.6
130°-140°	38.9	0.2
140°-150°	37.6	0.2
150°-160°	38.1	0.2
160°-170°	18.9	0.1
170°-180°	4.0	0.0
0°-30°	8311.7	47.8
0°-40°	11389.9	65.5
0°-60°	14568.8	83.8
0°-90°	16722.9	96.2
90°-120°	418.2	2.4
90°-150°	596.7	3.4
90°-180°	658.0	3.8
0°-180°	17380.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12310	
5°	12175	###
15°	11129	3119
25°	8926	4046
35°	4939	3078
45°	1540	1485
55°	1716	1694
65°	1560	1563
75°	341	403
85°	169	150
90°	128	72
95°	116	96
105°	114	120
115°	196	168
125°	110	102
135°	46	39
145°	60	38
155°	84	38
165°	65	19
175°	40	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12310.3
2.5°	12258.1
5°	12175.0
7.5°	11991.0
10°	11710.8
12.5°	11441.3
15°	11129.0
17.5°	10745.6
20°	10251.7
22.5°	9648.6
25°	8925.5
27.5°	8112.3
30°	7040.2
32.5°	5945.6
35°	4938.9
37.5°	3996.2
40°	3019.1
42.5°	2031.3
45°	1539.8
47.5°	1784.4
50°	1715.5
52.5°	1541.0
55°	1715.5
57.5°	2170.2
60°	2465.9
62.5°	2194.0
65°	1560.0
67.5°	1024.6
70°	677.9
72.5°	469.0
75°	340.7
77.5°	268.3
80°	227.9
82.5°	195.9
85°	168.6
87.5°	146.0
90°	128.2
92.5°	121.1
95°	116.3
97.5°	116.3
100°	118.7
102.5°	119.9
105°	114.0
107.5°	104.5
110°	111.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	152.0
115°	195.9
117.5°	192.3
120°	165.0
122.5°	137.7
125°	110.4
127.5°	86.7
130°	67.7
132.5°	54.6
135°	46.3
137.5°	42.7
140°	43.9
142.5°	51.1
145°	60.5
147.5°	70.0
150°	77.2
152.5°	81.9
155°	84.3
157.5°	84.3
160°	80.7
162.5°	74.8
165°	65.3
167.5°	55.8
170°	47.5
172.5°	41.6
175°	40.4
177.5°	38.0
180°	38.0

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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	19.75	21.03	20.18	21.42	21.83	19.75	21.03	20.18	21.42	21.83
	3H	20.34	21.48	20.78	21.89	22.35	20.34	21.48	20.78	21.89	22.35
	4H	20.38	21.45	20.85	21.88	22.35	20.38	21.45	20.85	21.88	22.35
	6H	20.38	21.37	20.86	21.81	22.30	20.38	21.37	20.86	21.81	22.30
	8H	20.37	21.31	20.87	21.78	22.27	20.37	21.31	20.87	21.78	22.27
	12H	20.36	21.26	20.86	21.72	22.24	20.36	21.26	20.86	21.72	22.24
4H	2H	20.15	21.22	20.61	21.65	22.12	20.15	21.22	20.61	21.65	22.12
	3H	20.75	21.64	21.23	22.12	22.62	20.75	21.64	21.23	22.12	22.62
	4H	20.81	21.61	21.31	22.10	22.63	20.81	21.61	21.31	22.10	22.63
	6H	20.85	21.54	21.37	22.06	22.61	20.85	21.54	21.37	22.06	22.61
	8H	20.85	21.50	21.38	22.01	22.57	20.85	21.50	21.38	22.01	22.57
	12H	20.86	21.43	21.41	21.98	22.54	20.86	21.43	21.41	21.98	22.54
8H	4H	20.76	21.40	21.29	21.92	22.47	20.76	21.40	21.29	21.92	22.47
	6H	20.82	21.34	21.38	21.90	22.47	20.82	21.34	21.38	21.90	22.47
	8H	20.85	21.31	21.43	21.89	22.47	20.85	21.31	21.43	21.89	22.47
	12H	20.89	21.30	21.47	21.86	22.51	20.89	21.30	21.47	21.86	22.51
12H	4H	20.72	21.29	21.27	21.84	22.40	20.72	21.29	21.27	21.84	22.40
	6H	20.78	21.25	21.36	21.83	22.41	20.78	21.25	21.36	21.83	22.41
	8H	20.84	21.24	21.42	21.80	22.46	20.84	21.24	21.42	21.80	22.46