

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: P1221238

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (5000K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221238
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-15)
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_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

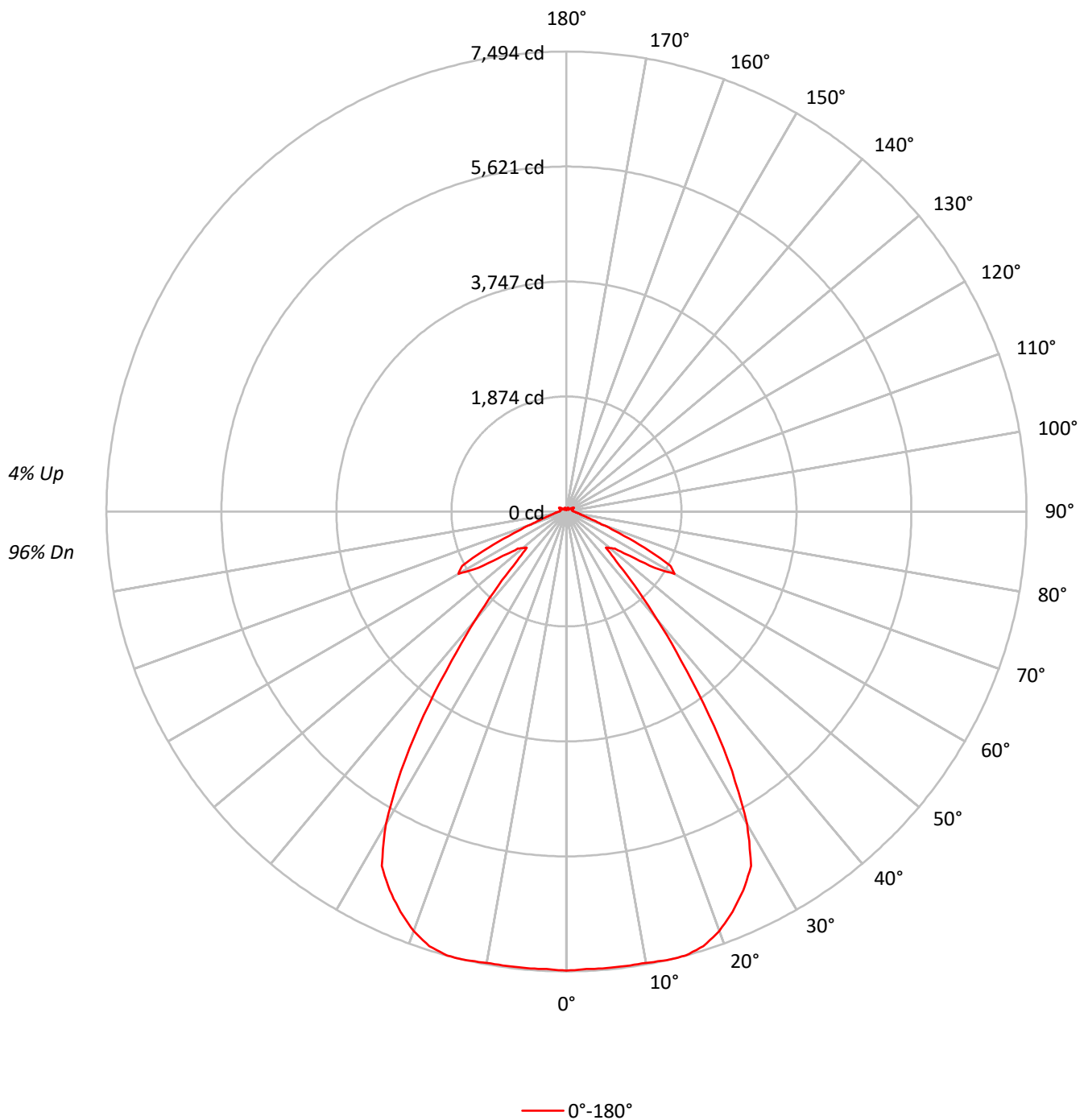
Lumens per Lamp: N/A
Luminaire Lumens: 13085.6 lumens
Efficiency: N/A
Efficacy: 162.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96							
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	84							
2	101	95	89	84	99	92	87	83	88	84	80	85	81	78	81	78	76	73							
3	94	85	78	73	91	83	77	72	80	75	70	77	72	68	74	70	67	65							
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	58							
5	81	70	63	57	79	69	62	56	67	60	56	64	59	55	62	58	54	52							
6	76	65	57	51	74	64	56	51	61	55	50	59	54	50	58	53	49	47							
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	43							
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	39							
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	36							
10	60	48	41	36	59	47	41	36	46	40	36	45	40	36	44	39	35	34							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40902
5°	39160
10°	37872
15°	37085
20°	35411
25°	32879
30°	28380
35°	19649
40°	11306
45°	5705
50°	4802
55°	6834
60°	11528
65°	8440
70°	3956
75°	2181
80°	1629
85°	1352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 11528 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.0	5.4
10°-20°	2108.3	16.1
20°-30°	3103.9	23.7
30°-40°	2503.0	19.1
40°-50°	1002.5	7.7
50°-60°	1232.2	9.4
60°-70°	1369.4	10.5
70°-80°	365.8	2.8
80°-90°	170.8	1.3
90°-100°	112.9	0.9
100°-110°	100.2	0.8
110°-120°	120.3	0.9
120°-130°	74.8	0.6
130°-140°	29.9	0.2
140°-150°	30.7	0.2
150°-160°	30.0	0.2
160°-170°	14.9	0.1
170°-180°	3.0	0.0
0°-30°	5925.2	45.3
0°-40°	8428.1	64.4
0°-60°	10662.9	81.5
0°-90°	12568.8	96.1
90°-120°	333.4	2.5
90°-150°	468.9	3.6
90°-180°	517.0	4.0
0°-180°	13085.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7482	
5°	7471	713
15°	7494	2108
25°	6813	3104
35°	4050	2503
45°	1134	1003
55°	1266	1232
65°	1402	1369
75°	310	366
85°	154	137
90°	114	64
95°	101	83
105°	97	100
115°	137	120
125°	81	75
135°	36	30
145°	50	31
155°	66	30
165°	52	15
175°	29	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7481.8
2.5°	7464.7
5°	7470.7
7.5°	7470.7
10°	7467.3
12.5°	7492.0
15°	7493.8
17.5°	7427.2
20°	7274.4
22.5°	7062.7
25°	6813.4
27.5°	6514.7
30°	5887.3
32.5°	5017.5
35°	4049.5
37.5°	3067.8
40°	2297.0
42.5°	1639.8
45°	1133.6
47.5°	872.4
50°	925.3
52.5°	995.3
55°	1265.9
57.5°	1706.3
60°	2033.3
62.5°	1908.6
65°	1402.5
67.5°	926.2
70°	612.0
72.5°	424.2
75°	309.9
77.5°	244.1
80°	209.1
82.5°	180.1
85°	153.6
87.5°	131.5
90°	113.5
92.5°	105.8
95°	100.7
97.5°	99.9
100°	101.6
102.5°	102.4
105°	97.3
107.5°	85.4
110°	85.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	111.0
115°	136.6
117.5°	135.7
120°	119.5
122.5°	100.7
125°	81.1
127.5°	64.0
130°	50.4
132.5°	41.8
135°	35.9
137.5°	33.3
140°	35.0
142.5°	41.0
145°	50.4
147.5°	58.0
150°	62.3
152.5°	64.9
155°	65.7
157.5°	65.7
160°	63.2
162.5°	58.9
165°	52.1
167.5°	44.4
170°	36.7
172.5°	31.6
175°	29.0
177.5°	27.3
180°	26.5

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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	19.06	20.35	19.49	20.75	21.17	19.06	20.35	19.49	20.75	21.17
	3H	19.85	21.02	20.30	21.43	21.89	19.85	21.02	20.30	21.43	21.89
	4H	19.92	21.02	20.39	21.45	21.93	19.92	21.02	20.39	21.45	21.93
	6H	19.94	20.95	20.43	21.40	21.89	19.94	20.95	20.43	21.40	21.89
	8H	19.95	20.91	20.44	21.37	21.87	19.95	20.91	20.44	21.37	21.87
	12H	19.95	20.87	20.45	21.33	21.85	19.95	20.87	20.45	21.33	21.85
4H	2H	19.62	20.71	20.09	21.15	21.62	19.62	20.71	20.09	21.15	21.62
	3H	20.40	21.31	20.88	21.79	22.29	20.40	21.31	20.88	21.79	22.29
	4H	20.48	21.30	20.98	21.80	22.33	20.48	21.30	20.98	21.80	22.33
	6H	20.55	21.26	21.07	21.77	22.33	20.55	21.26	21.07	21.77	22.33
	8H	20.56	21.22	21.09	21.74	22.30	20.56	21.22	21.09	21.74	22.30
	12H	20.59	21.17	21.14	21.72	22.29	20.59	21.17	21.14	21.72	22.29
8H	4H	20.45	21.11	20.98	21.63	22.19	20.45	21.11	20.98	21.63	22.19
	6H	20.54	21.08	21.11	21.64	22.21	20.54	21.08	21.11	21.64	22.21
	8H	20.59	21.07	21.17	21.65	22.23	20.59	21.07	21.17	21.65	22.23
	12H	20.66	21.07	21.24	21.63	22.29	20.66	21.07	21.24	21.63	22.29
12H	4H	20.42	21.00	20.97	21.56	22.12	20.42	21.00	20.97	21.56	22.12
	6H	20.52	20.99	21.10	21.57	22.15	20.52	20.99	21.10	21.57	22.15
	8H	20.60	21.01	21.17	21.57	22.23	20.60	21.01	21.17	21.57	22.23