

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: P1221211

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3000K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221211
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 (3000K_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

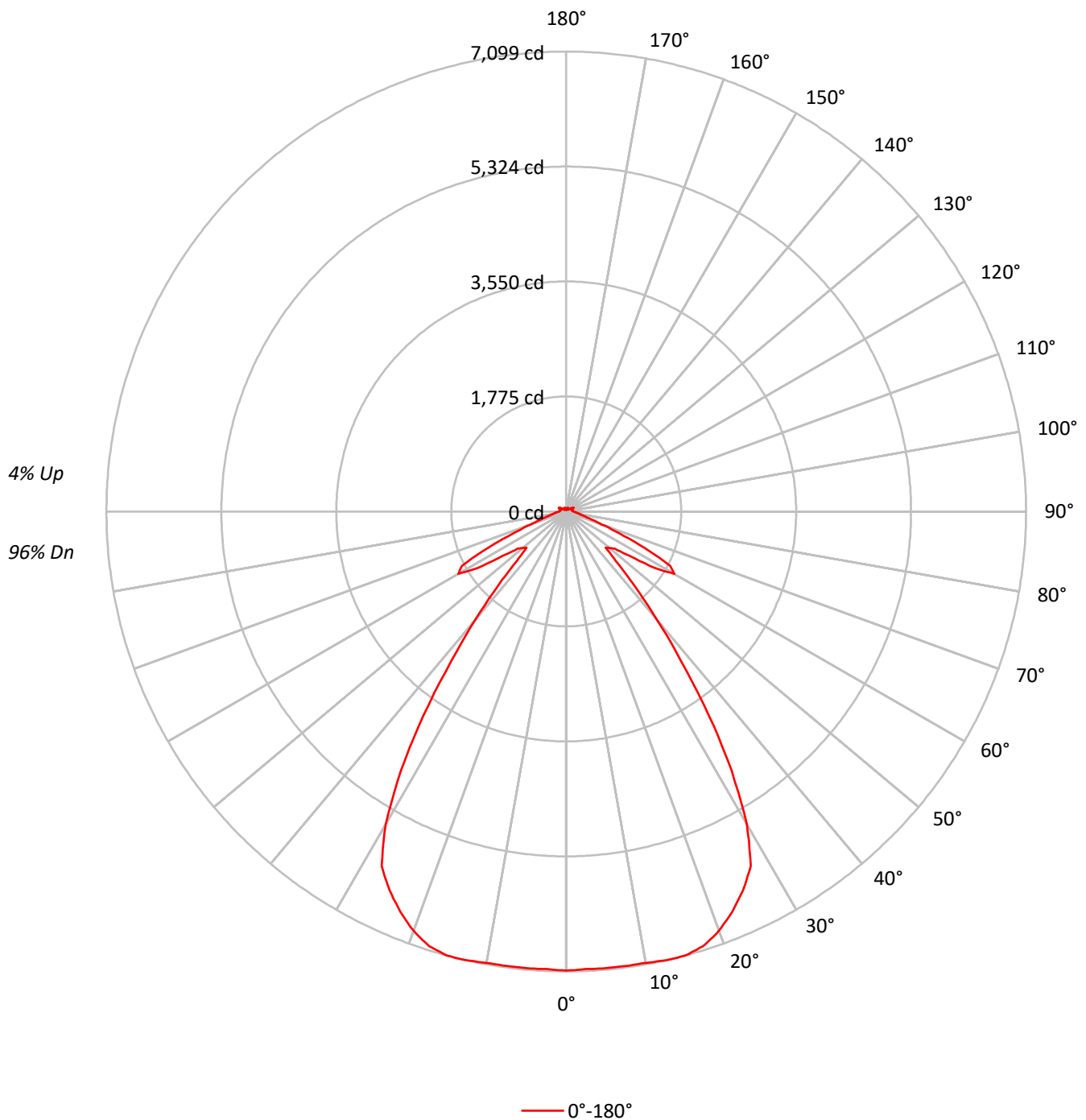
Lumens per Lamp: N/A
Luminaire Lumens: 12395.6 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 81.4
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	98	98	98	98	98			
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	86	86	86	86	84			
2	101	95	89	84	99	92	87	83	88	84	80	85	81	78	81	78	76	76	76	76	76	73			
3	94	85	78	73	91	83	77	72	80	75	70	77	72	68	74	70	67	67	67	67	67	65			
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	60	60	60	60	58			
5	81	70	63	57	79	69	62	56	67	60	56	64	59	55	62	58	54	54	54	54	54	52			
6	76	65	57	51	74	64	56	51	61	55	50	59	54	50	58	53	49	49	49	49	49	47			
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	45	45	45	45	43			
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	41	41	41	41	39			
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	38	38	38	38	36			
10	60	48	41	36	59	47	41	36	46	40	36	45	40	36	44	39	35	35	35	35	35	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38745
5°	37096
10°	35875
15°	35130
20°	33543
25°	31145
30°	26883
35°	18613
40°	10710
45°	5404
50°	4548
55°	6473
60°	10920
65°	7994
70°	3748
75°	2066
80°	1544
85°	1280

MAXIMUM LUMINANCE 45°-90°:

Luminance: 10920 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.4	5.4
10°-20°	1997.1	16.1
20°-30°	2940.2	23.7
30°-40°	2371.0	19.1
40°-50°	949.7	7.7
50°-60°	1167.2	9.4
60°-70°	1297.2	10.5
70°-80°	346.5	2.8
80°-90°	161.7	1.3
90°-100°	107.0	0.9
100°-110°	94.9	0.8
110°-120°	114.0	0.9
120°-130°	70.8	0.6
130°-140°	28.3	0.2
140°-150°	29.1	0.2
150°-160°	28.4	0.2
160°-170°	14.2	0.1
170°-180°	2.8	0.0
0°-30°	5612.7	45.3
0°-40°	7983.7	64.4
0°-60°	10100.6	81.5
0°-90°	11906.0	96.1
90°-120°	315.9	2.5
90°-150°	444.2	3.6
90°-180°	490.0	4.0
0°-180°	12395.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7087	
5°	7077	675
15°	7099	1997
25°	6454	2940
35°	3836	2371
45°	1074	950
55°	1199	1167
65°	1328	1297
75°	294	347
85°	146	130
90°	108	60
95°	95	79
105°	92	95
115°	129	114
125°	77	71
135°	34	28
145°	48	29
155°	62	28
165°	49	14
175°	28	3
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7087.3
2.5°	7071.1
5°	7076.8
7.5°	7076.8
10°	7073.5
12.5°	7097.0
15°	7098.6
17.5°	7035.5
20°	6890.8
22.5°	6690.3
25°	6454.1
27.5°	6171.1
30°	5576.8
32.5°	4752.9
35°	3835.9
37.5°	2906.1
40°	2175.9
42.5°	1553.3
45°	1073.8
47.5°	826.4
50°	876.5
52.5°	942.8
55°	1199.1
57.5°	1616.4
60°	1926.1
62.5°	1808.0
65°	1328.5
67.5°	877.3
70°	579.8
72.5°	401.9
75°	293.5
77.5°	231.3
80°	198.1
82.5°	170.6
85°	145.5
87.5°	124.5
90°	107.5
92.5°	100.3
95°	95.4
97.5°	94.6
100°	96.2
102.5°	97.0
105°	92.2
107.5°	80.9
110°	80.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	105.1
115°	129.4
117.5°	128.6
120°	113.2
122.5°	95.4
125°	76.8
127.5°	60.6
130°	47.7
132.5°	39.6
135°	34.0
137.5°	31.5
140°	33.2
142.5°	38.8
145°	47.7
147.5°	55.0
150°	59.0
152.5°	61.5
155°	62.3
157.5°	62.3
160°	59.8
162.5°	55.8
165°	49.3
167.5°	42.0
170°	34.8
172.5°	29.9
175°	27.5
177.5°	25.9
180°	25.1

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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	18.87	20.17	19.31	20.57	20.98	18.87	20.17	19.31	20.57	20.98
	3H	19.67	20.83	20.11	21.24	21.71	19.67	20.83	20.11	21.24	21.71
	4H	19.73	20.83	20.20	21.26	21.74	19.73	20.83	20.20	21.26	21.74
	6H	19.76	20.76	20.24	21.21	21.70	19.76	20.76	20.24	21.21	21.70
	8H	19.76	20.72	20.26	21.19	21.69	19.76	20.72	20.26	21.19	21.69
	12H	19.76	20.68	20.26	21.14	21.66	19.76	20.68	20.26	21.14	21.66
4H	2H	19.43	20.53	19.90	20.96	21.44	19.43	20.53	19.90	20.96	21.44
	3H	20.21	21.12	20.69	21.60	22.10	20.21	21.12	20.69	21.60	22.10
	4H	20.29	21.12	20.80	21.61	22.14	20.29	21.12	20.80	21.61	22.14
	6H	20.36	21.07	20.88	21.59	22.14	20.36	21.07	20.88	21.59	22.14
	8H	20.37	21.04	20.91	21.55	22.12	20.37	21.04	20.91	21.55	22.12
	12H	20.40	20.98	20.95	21.54	22.10	20.40	20.98	20.95	21.54	22.10
8H	4H	20.26	20.92	20.79	21.44	22.00	20.26	20.92	20.79	21.44	22.00
	6H	20.35	20.89	20.92	21.46	22.03	20.35	20.89	20.92	21.46	22.03
	8H	20.40	20.88	20.99	21.46	22.04	20.40	20.88	20.99	21.46	22.04
	12H	20.47	20.88	21.05	21.44	22.10	20.47	20.88	21.05	21.44	22.10
12H	4H	20.23	20.82	20.78	21.37	21.93	20.23	20.82	20.78	21.37	21.93
	6H	20.33	20.80	20.91	21.38	21.97	20.33	20.80	20.91	21.38	21.97
	8H	20.41	20.82	20.99	21.38	22.04	20.41	20.82	20.99	21.38	22.04

END OF REPORT