

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: P1221229

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221229
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 (4000K_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

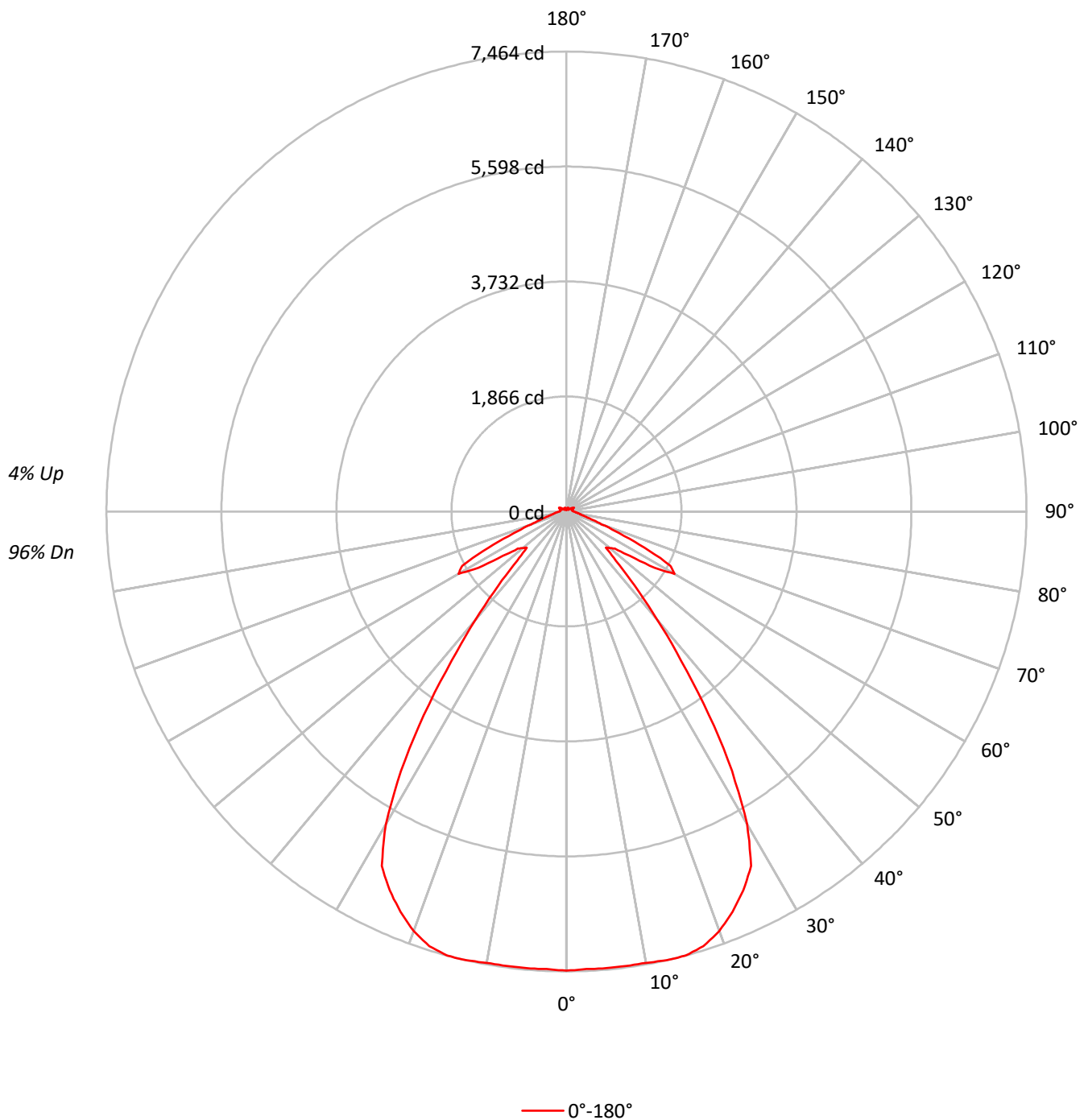
Lumens per Lamp: N/A
Luminaire Lumens: 13033.2 lumens
Efficiency: N/A
Efficacy: 162.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.1
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		103	103	103		98	98	98
1	110	106	102	99		107	103	100	97		98	96	93		94	92	90		90	88	86
2	101	95	89	84		99	92	87	83		88	84	80		85	81	78		81	78	76
3	94	85	78	73		91	83	77	72		80	75	70		77	72	68		74	70	67
4	87	77	70	64		85	76	69	63		73	67	62		70	65	61		68	63	60
5	81	70	63	57		79	69	62	56		67	60	56		64	59	55		62	58	54
6	76	65	57	51		74	64	56	51		61	55	50		59	54	50		58	53	49
7	71	60	52	47		70	59	51	46		57	50	46		55	49	45		54	49	45
8	67	55	48	43		66	54	47	42		53	47	42		51	46	42		50	45	41
9	63	51	44	39		62	51	44	39		49	43	39		48	42	38		47	42	38
10	60	48	41	36		59	47	41	36		46	40	36		45	40	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40738
5°	39004
10°	37721
15°	36937
20°	35269
25°	32748
30°	28266
35°	19571
40°	11261
45°	5682
50°	4783
55°	6806
60°	11481
65°	8406
70°	3940
75°	2172
80°	1623
85°	1346

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 11481 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.2	5.4
10°-20°	2099.8	16.1
20°-30°	3091.5	23.7
30°-40°	2493.0	19.1
40°-50°	998.5	7.7
50°-60°	1227.2	9.4
60°-70°	1363.9	10.5
70°-80°	364.3	2.8
80°-90°	170.1	1.3
90°-100°	112.5	0.9
100°-110°	99.8	0.8
110°-120°	119.8	0.9
120°-130°	74.5	0.6
130°-140°	29.8	0.2
140°-150°	30.6	0.2
150°-160°	29.9	0.2
160°-170°	14.9	0.1
170°-180°	3.0	0.0
0°-30°	5901.5	45.3
0°-40°	8394.4	64.4
0°-60°	10620.2	81.5
0°-90°	12518.5	96.1
90°-120°	332.1	2.5
90°-150°	467.0	3.6
90°-180°	515.0	4.0
0°-180°	13033.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7452	
5°	7441	710
15°	7464	2100
25°	6786	3091
35°	4033	2493
45°	1129	999
55°	1261	1227
65°	1397	1364
75°	309	364
85°	153	137
90°	113	63
95°	100	83
105°	97	100
115°	136	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°	7451.9
2.5°	7434.9
5°	7440.8
7.5°	7440.8
10°	7437.4
12.5°	7462.1
15°	7463.8
17.5°	7397.5
20°	7245.3
22.5°	7034.4
25°	6786.2
27.5°	6488.6
30°	5863.7
32.5°	4997.4
35°	4033.3
37.5°	3055.6
40°	2287.8
42.5°	1633.2
45°	1129.0
47.5°	868.9
50°	921.6
52.5°	991.3
55°	1260.8
57.5°	1699.5
60°	2025.1
62.5°	1901.0
65°	1396.9
67.5°	922.5
70°	609.6
72.5°	422.5
75°	308.6
77.5°	243.2
80°	208.3
82.5°	179.4
85°	153.0
87.5°	130.9
90°	113.1
92.5°	105.4
95°	100.3
97.5°	99.5
100°	101.2
102.5°	102.0
105°	96.9
107.5°	85.0
110°	85.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	110.5
115°	136.0
117.5°	135.2
120°	119.0
122.5°	100.3
125°	80.8
127.5°	63.8
130°	50.2
132.5°	41.7
135°	35.7
137.5°	33.2
140°	34.9
142.5°	40.8
145°	50.2
147.5°	57.8
150°	62.1
152.5°	64.6
155°	65.5
157.5°	65.5
160°	62.9
162.5°	58.7
165°	51.9
167.5°	44.2
170°	36.6
172.5°	31.5
175°	28.9
177.5°	27.2
180°	26.4

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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	19.05	20.34	19.48	20.74	21.15	19.05	20.34	19.48	20.74	21.15
	3H	19.84	21.00	20.29	21.42	21.88	19.84	21.00	20.29	21.42	21.88
	4H	19.91	21.00	20.38	21.43	21.91	19.91	21.00	20.38	21.43	21.91
	6H	19.93	20.94	20.41	21.39	21.88	19.93	20.94	20.41	21.39	21.88
	8H	19.93	20.89	20.43	21.36	21.86	19.93	20.89	20.43	21.36	21.86
	12H	19.94	20.85	20.44	21.31	21.84	19.94	20.85	20.44	21.31	21.84
4H	2H	19.61	20.70	20.08	21.13	21.61	19.61	20.70	20.08	21.13	21.61
	3H	20.38	21.29	20.86	21.77	22.27	20.38	21.29	20.86	21.77	22.27
	4H	20.47	21.29	20.97	21.78	22.32	20.47	21.29	20.97	21.78	22.32
	6H	20.53	21.24	21.06	21.76	22.32	20.53	21.24	21.06	21.76	22.32
	8H	20.55	21.21	21.08	21.73	22.29	20.55	21.21	21.08	21.73	22.29
	12H	20.57	21.16	21.12	21.71	22.28	20.57	21.16	21.12	21.71	22.28
8H	4H	20.43	21.10	20.97	21.61	22.18	20.43	21.10	20.97	21.61	22.18
	6H	20.53	21.07	21.09	21.63	22.20	20.53	21.07	21.09	21.63	22.20
	8H	20.58	21.05	21.16	21.63	22.21	20.58	21.05	21.16	21.63	22.21
	12H	20.65	21.06	21.22	21.62	22.28	20.65	21.06	21.22	21.62	22.28
12H	4H	20.40	20.99	20.95	21.54	22.11	20.40	20.99	20.95	21.54	22.11
	6H	20.50	20.98	21.09	21.56	22.14	20.50	20.98	21.09	21.56	22.14
	8H	20.58	20.99	21.16	21.56	22.21	20.58	20.99	21.16	21.56	22.21

END OF REPORT