

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: P1221407

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221407
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

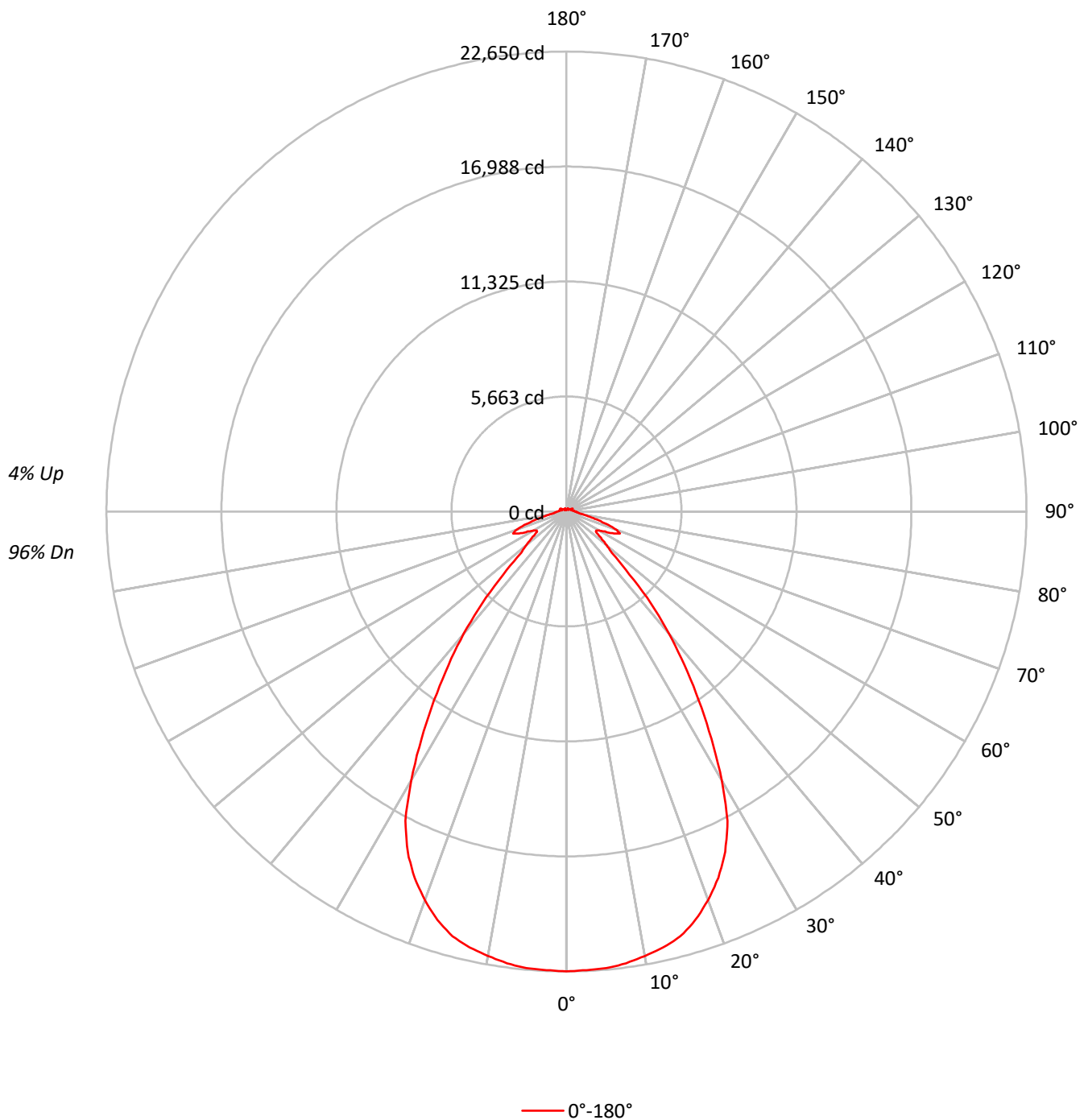
Lumens per Lamp: N/A
Luminaire Lumens: 35177.7 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 230.2
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	95	93	94	91	90	89	88	86
2	102	95	89	84	99	93	88	83	89	84	81	85	81	78	81	79	76
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68
4	88	78	71	65	86	77	70	65	74	68	64	71	66	62	69	65	61
5	83	72	64	59	80	71	64	58	68	62	57	66	61	57	64	59	56
6	78	66	59	53	76	65	58	53	63	57	52	61	56	52	59	55	51
7	73	61	54	49	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	44	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°	130610
5°	124355
10°	117975
15°	111803
20°	103103
25°	92485
30°	76093
35°	56698
40°	39687
45°	22636
50°	13624
55°	9662
60°	10777
65°	15627
70°	16803
75°	10697
80°	6248
85°	4665

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22636 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2143.7	6.1
10°-20°	6073.7	17.3
20°-30°	8385.7	23.8
30°-40°	7092.4	20.2
40°-50°	3581.4	10.2
50°-60°	1760.2	5.0
60°-70°	2442.5	6.9
70°-80°	1688.5	4.8
80°-90°	620.5	1.8
90°-100°	389.2	1.1
100°-110°	273.7	0.8
110°-120°	297.3	0.8
120°-130°	140.7	0.4
130°-140°	90.1	0.3
140°-150°	95.1	0.3
150°-160°	67.8	0.2
160°-170°	28.6	0.1
170°-180°	6.7	0.0
0°-30°	16603.1	47.2
0°-40°	23695.5	67.4
0°-60°	29037.1	82.5
0°-90°	33788.6	96.1
90°-120°	960.2	2.7
90°-150°	1286.1	3.7
90°-180°	1389.0	3.9
0°-180°	35177.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22650	
5°	22583	###
15°	21664	6074
25°	18502	8386
35°	11354	7092
45°	4400	3581
55°	1764	1760
65°	2582	2443
75°	1528	1689
85°	542	496
90°	424	236
95°	355	278
105°	233	274
115°	317	297
125°	149	141
135°	113	90
145°	154	95
155°	149	68
165°	98	29
175°	68	7
180°	67	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22650.5
2.5°	22608.7
5°	22583.2
7.5°	22442.8
10°	22226.9
12.5°	22002.9
15°	21664.0
17.5°	21107.0
20°	20379.3
22.5°	19536.7
25°	18501.5
27.5°	17173.9
30°	15288.0
32.5°	13275.6
35°	11353.7
37.5°	9537.4
40°	7860.4
42.5°	6157.9
45°	4399.7
47.5°	3031.4
50°	2577.6
52.5°	2143.5
55°	1764.0
57.5°	1739.7
60°	1881.3
62.5°	2145.9
65°	2582.2
67.5°	2849.2
70°	2598.5
72.5°	2070.4
75°	1528.4
77.5°	1107.2
80°	812.4
82.5°	629.0
85°	542.0
87.5°	487.4
90°	423.6
92.5°	385.3
95°	355.1
97.5°	328.4
100°	291.3
102.5°	248.4
105°	233.3
107.5°	254.2
110°	307.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	338.9
115°	316.8
117.5°	272.7
120°	226.3
122.5°	183.4
125°	148.6
127.5°	123.0
130°	109.1
132.5°	105.6
135°	112.6
137.5°	125.3
140°	138.1
142.5°	148.6
145°	154.4
147.5°	156.7
150°	156.7
152.5°	154.4
155°	148.6
157.5°	138.1
160°	125.3
162.5°	111.4
165°	97.5
167.5°	84.7
170°	73.1
172.5°	69.6
175°	68.5
177.5°	67.3
180°	67.3

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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	15.78	17.03	16.21	17.43	17.85	15.78	17.03	16.21	17.43	17.85
	3H	20.99	22.12	21.44	22.53	22.99	20.99	22.12	21.44	22.53	22.99
	4H	21.79	22.85	22.26	23.29	23.77	21.79	22.85	22.26	23.29	23.77
	6H	22.11	23.09	22.60	23.54	24.03	22.11	23.09	22.60	23.54	24.03
	8H	22.19	23.12	22.69	23.59	24.09	22.19	23.12	22.69	23.59	24.09
	12H	22.25	23.14	22.75	23.60	24.13	22.25	23.14	22.75	23.60	24.13
4H	2H	17.52	18.58	17.99	19.01	19.49	17.52	18.58	17.99	19.01	19.49
	3H	22.05	22.94	22.53	23.42	23.92	22.05	22.94	22.53	23.42	23.92
	4H	22.85	23.66	23.35	24.15	24.68	22.85	23.66	23.35	24.15	24.68
	6H	23.22	23.92	23.75	24.44	24.99	23.22	23.92	23.75	24.44	24.99
	8H	23.31	23.97	23.84	24.48	25.05	23.31	23.97	23.84	24.48	25.05
	12H	23.40	23.98	23.95	24.53	25.10	23.40	23.98	23.95	24.53	25.10
8H	4H	23.07	23.72	23.60	24.24	24.80	23.07	23.72	23.60	24.24	24.80
	6H	23.50	24.03	24.06	24.60	25.17	23.50	24.03	24.06	24.60	25.17
	8H	23.63	24.11	24.22	24.69	25.27	23.63	24.11	24.22	24.69	25.27
	12H	23.78	24.20	24.36	24.76	25.42	23.78	24.20	24.36	24.76	25.42
12H	4H	23.05	23.63	23.60	24.19	24.75	23.05	23.63	23.60	24.19	24.75
	6H	23.49	23.97	24.08	24.55	25.14	23.49	23.97	24.08	24.55	25.14
	8H	23.67	24.09	24.25	24.65	25.31	23.67	24.09	24.25	24.65	25.31