

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: P1221406

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221406
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-26)
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_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

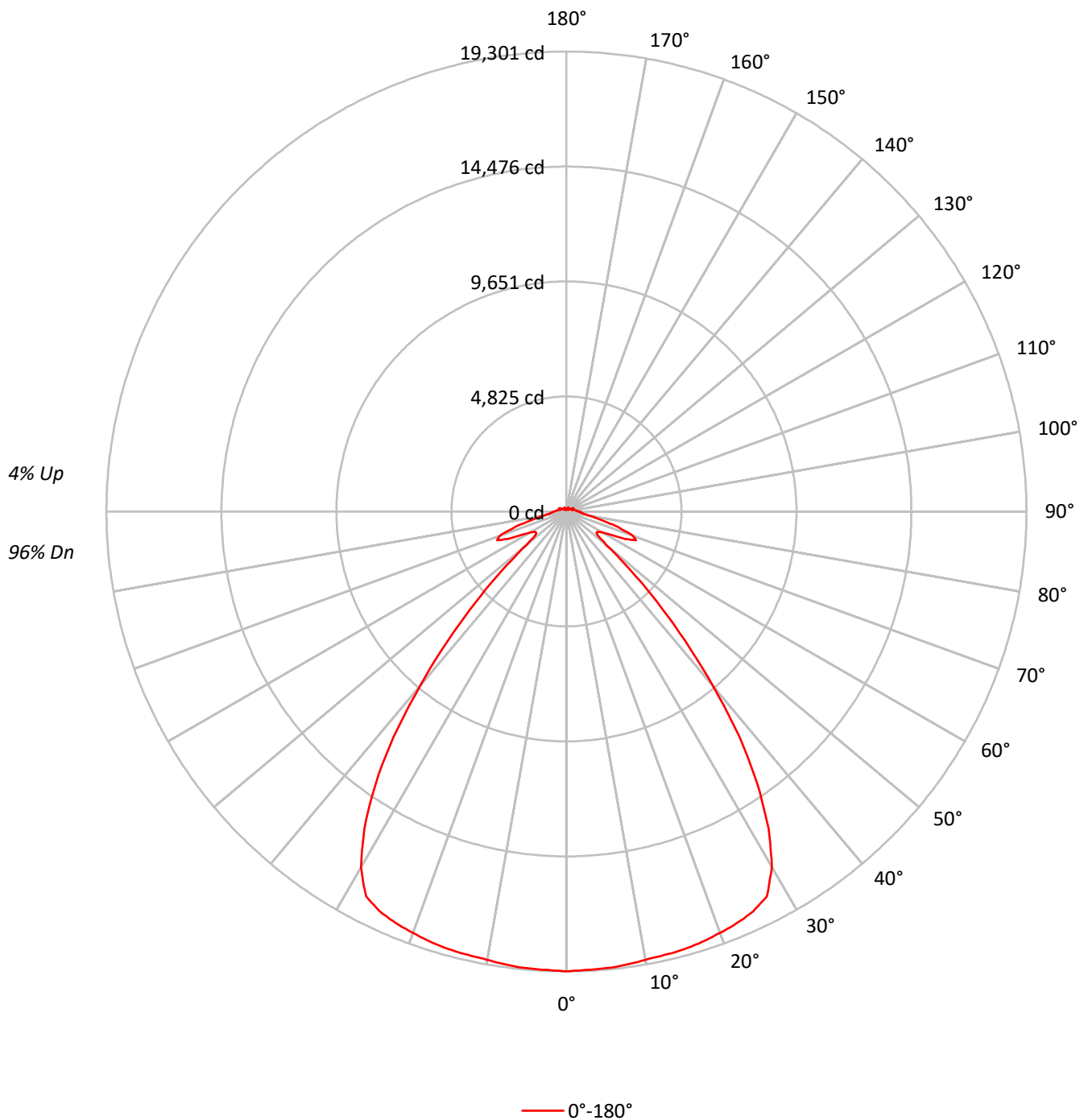
Lumens per Lamp: N/A
Luminaire Lumens: 36740.2 lumens
Efficiency: N/A
Efficacy: 159.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1832.6	5.0
10°-20°	5382.1	14.6
20°-30°	8483.6	23.1
30°-40°	8552.6	23.3
40°-50°	4231.6	11.5
50°-60°	1510.3	4.1
60°-70°	2579.9	7.0
70°-80°	1945.0	5.3
80°-90°	724.3	2.0
90°-100°	456.1	1.2
100°-110°	292.8	0.8
110°-120°	293.8	0.8
120°-130°	142.2	0.4
130°-140°	97.5	0.3
140°-150°	105.1	0.3
150°-160°	73.7	0.2
160°-170°	30.6	0.1
170°-180°	6.4	0.0
0°-30°	15698.3	42.7
0°-40°	24250.9	66.0
0°-60°	29992.8	81.6
0°-90°	35242.1	95.9
90°-120°	1042.6	2.8
90°-150°	1387.4	3.8
90°-180°	1498.0	4.1
0°-180°	36740.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19301	
5°	19247	###
15°	19028	5382
25°	18525	8484
35°	13975	8553
45°	5390	4232
55°	1540	1510
65°	2724	2580
75°	1765	1945
85°	632	577
90°	501	278
95°	416	325
105°	246	293
115°	313	294
125°	151	142
135°	122	98
145°	171	105
155°	162	74
165°	104	31
175°	64	6
180°	63	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19301.2
2.5°	19259.4
5°	19246.6
7.5°	19192.1
10°	19103.9
12.5°	19066.7
15°	19028.4
17.5°	18942.5
20°	18824.2
22.5°	18703.5
25°	18524.7
27.5°	18211.4
30°	17237.7
32.5°	15781.2
35°	13975.4
37.5°	11910.8
40°	9544.4
42.5°	7378.8
45°	5389.6
47.5°	3638.3
50°	2165.6
52.5°	1651.5
55°	1540.1
57.5°	1587.6
60°	1766.4
62.5°	2113.4
65°	2723.8
67.5°	3155.5
70°	2961.7
72.5°	2390.7
75°	1765.2
77.5°	1278.9
80°	938.9
82.5°	730.0
85°	632.5
87.5°	574.5
90°	501.4
92.5°	453.8
95°	415.5
97.5°	383.0
100°	336.6
102.5°	278.5
105°	246.0
107.5°	261.1
110°	305.2

TEST NUMBER: P1221406

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	330.8
115°	313.3
117.5°	271.6
120°	226.3
122.5°	184.5
125°	150.9
127.5°	125.3
130°	111.4
132.5°	110.3
135°	121.9
137.5°	140.4
140°	156.7
142.5°	167.1
145°	170.6
147.5°	169.4
150°	168.3
152.5°	166.0
155°	162.5
157.5°	152.0
160°	136.9
162.5°	120.7
165°	104.4
167.5°	88.2
170°	74.3
172.5°	67.3
175°	63.8
177.5°	62.7
180°	62.7

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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	14.98	16.25	15.42	16.65	17.07	14.98	16.25	15.42	16.65	17.07
	3H	21.35	22.49	21.80	22.91	23.37	21.35	22.49	21.80	22.91	23.37
	4H	22.27	23.34	22.74	23.77	24.26	22.27	23.34	22.74	23.77	24.26
	6H	22.63	23.62	23.11	24.07	24.56	22.63	23.62	23.11	24.07	24.56
	8H	22.72	23.66	23.21	24.13	24.63	22.72	23.66	23.21	24.13	24.63
	12H	22.79	23.69	23.29	24.15	24.68	22.79	23.69	23.29	24.15	24.68
4H	2H	17.18	18.25	17.65	18.69	19.17	17.18	18.25	17.65	18.69	19.17
	3H	22.48	23.38	22.96	23.86	24.36	22.48	23.38	22.96	23.86	24.36
	4H	23.37	24.19	23.88	24.69	25.22	23.37	24.19	23.88	24.69	25.22
	6H	23.78	24.49	24.31	25.01	25.57	23.78	24.49	24.31	25.01	25.57
	8H	23.89	24.55	24.42	25.07	25.64	23.89	24.55	24.42	25.07	25.64
	12H	23.99	24.58	24.54	25.13	25.70	23.99	24.58	24.54	25.13	25.70
8H	4H	23.62	24.29	24.15	24.81	25.37	23.62	24.29	24.15	24.81	25.37
	6H	24.09	24.64	24.66	25.21	25.78	24.09	24.64	24.66	25.21	25.78
	8H	24.24	24.73	24.83	25.32	25.90	24.24	24.73	24.83	25.32	25.90
	12H	24.41	24.84	24.99	25.40	26.06	24.41	24.84	24.99	25.40	26.06
12H	4H	23.61	24.20	24.16	24.76	25.32	23.61	24.20	24.16	24.76	25.32
	6H	24.09	24.58	24.68	25.17	25.75	24.09	24.58	24.68	25.17	25.75
	8H	24.29	24.72	24.87	25.28	25.94	24.29	24.72	24.87	25.28	25.94

END OF REPORT