

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: P1221410

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (4000K_L24_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221410
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 (4000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

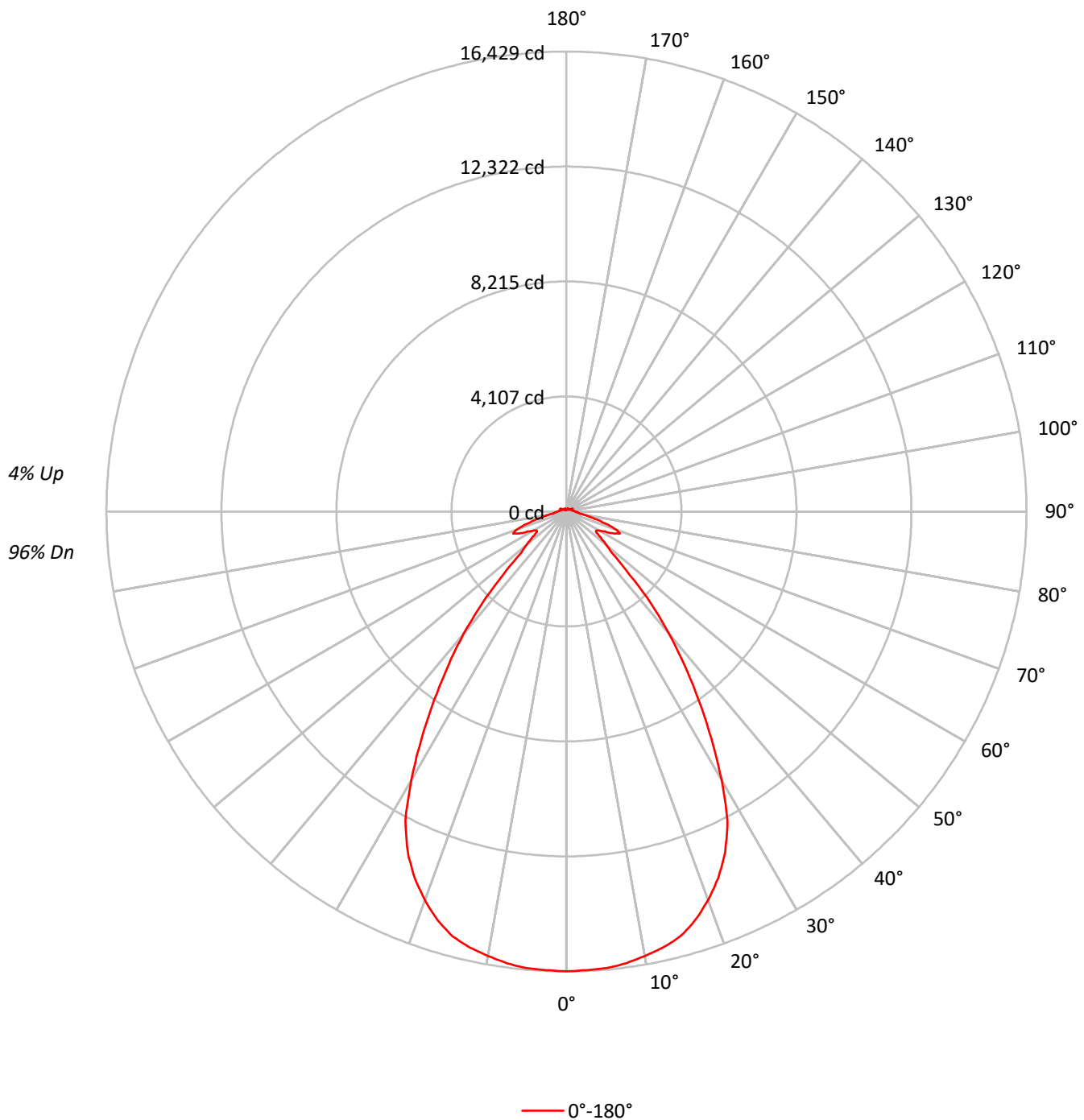
Lumens per Lamp: N/A
Luminaire Lumens: 25514.8 lumens
Efficiency: N/A
Efficacy: 165.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 154.6
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°	94733
5°	90196
10°	85569
15°	81092
20°	74782
25°	67081
30°	55191
35°	41124
40°	28786
45°	16418
50°	9882
55°	7008
60°	7816
65°	11335
70°	12187
75°	7759
80°	4531
85°	3384

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 16418 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1554.9	6.1
10°-20°	4405.3	17.3
20°-30°	6082.3	23.8
30°-40°	5144.2	20.2
40°-50°	2597.6	10.2
50°-60°	1276.7	5.0
60°-70°	1771.6	6.9
70°-80°	1224.7	4.8
80°-90°	450.0	1.8
90°-100°	282.3	1.1
100°-110°	198.5	0.8
110°-120°	215.6	0.8
120°-130°	102.0	0.4
130°-140°	65.3	0.3
140°-150°	69.0	0.3
150°-160°	49.2	0.2
160°-170°	20.7	0.1
170°-180°	4.8	0.0
0°-30°	12042.5	47.2
0°-40°	17186.7	67.4
0°-60°	21061.0	82.5
0°-90°	24507.3	96.1
90°-120°	696.4	2.7
90°-150°	932.8	3.7
90°-180°	1008.0	4.0
0°-180°	25514.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16429	
5°	16380	###
15°	15713	4405
25°	13419	6082
35°	8235	5144
45°	3191	2598
55°	1280	1277
65°	1873	1772
75°	1109	1225
85°	393	359
90°	307	171
95°	258	202
105°	169	199
115°	230	216
125°	108	102
135°	82	65
145°	112	69
155°	108	49
165°	71	21
175°	50	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16428.7
2.5°	16398.4
5°	16379.9
7.5°	16278.1
10°	16121.5
12.5°	15959.0
15°	15713.2
17.5°	15309.2
20°	14781.4
22.5°	14170.3
25°	13419.4
27.5°	12456.4
30°	11088.6
32.5°	9629.0
35°	8235.0
37.5°	6917.6
40°	5701.3
42.5°	4466.4
45°	3191.1
47.5°	2198.7
50°	1869.6
52.5°	1554.7
55°	1279.5
57.5°	1261.8
60°	1364.5
62.5°	1556.4
65°	1872.9
67.5°	2066.5
70°	1884.7
72.5°	1501.7
75°	1108.6
77.5°	803.0
80°	589.2
82.5°	456.2
85°	393.1
87.5°	353.5
90°	307.2
92.5°	279.5
95°	257.6
97.5°	238.2
100°	211.3
102.5°	180.1
105°	169.2
107.5°	184.3
110°	223.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	245.8
115°	229.8
117.5°	197.8
120°	164.1
122.5°	133.0
125°	107.7
127.5°	89.2
130°	79.1
132.5°	76.6
135°	81.7
137.5°	90.9
140°	100.2
142.5°	107.7
145°	112.0
147.5°	113.6
150°	113.6
152.5°	112.0
155°	107.7
157.5°	100.2
160°	90.9
162.5°	80.8
165°	70.7
167.5°	61.4
170°	53.0
172.5°	50.5
175°	49.7
177.5°	48.8
180°	48.8

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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	14.66	15.92	15.10	16.31	16.73	14.66	15.92	15.10	16.31	16.73
	3H	19.87	21.00	20.32	21.42	21.88	19.87	21.00	20.32	21.42	21.88
	4H	20.68	21.74	21.15	22.17	22.65	20.68	21.74	21.15	22.17	22.65
	6H	21.00	21.98	21.48	22.42	22.92	21.00	21.98	21.48	22.42	22.92
	8H	21.07	22.00	21.57	22.47	22.97	21.07	22.00	21.57	22.47	22.97
	12H	21.13	22.02	21.63	22.49	23.01	21.13	22.02	21.63	22.49	23.01
4H	2H	16.41	17.47	16.88	17.90	18.38	16.41	17.47	16.88	17.90	18.38
	3H	20.93	21.82	21.42	22.30	22.80	20.93	21.82	21.42	22.30	22.80
	4H	21.74	22.54	22.24	23.03	23.57	21.74	22.54	22.24	23.03	23.57
	6H	22.10	22.80	22.63	23.32	23.88	22.10	22.80	22.63	23.32	23.88
	8H	22.20	22.85	22.73	23.37	23.93	22.20	22.85	22.73	23.37	23.93
	12H	22.28	22.86	22.83	23.41	23.98	22.28	22.86	22.83	23.41	23.98
8H	4H	21.95	22.61	22.48	23.12	23.69	21.95	22.61	22.48	23.12	23.69
	6H	22.38	22.92	22.94	23.48	24.05	22.38	22.92	22.94	23.48	24.05
	8H	22.52	23.00	23.10	23.58	24.16	22.52	23.00	23.10	23.58	24.16
	12H	22.67	23.09	23.25	23.65	24.31	22.67	23.09	23.25	23.65	24.31
12H	4H	21.94	22.52	22.49	23.07	23.64	21.94	22.52	22.49	23.07	23.64
	6H	22.38	22.86	22.96	23.44	24.02	22.38	22.86	22.96	23.44	24.02
	8H	22.56	22.98	23.14	23.54	24.20	22.56	22.98	23.14	23.54	24.20