

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: P1221518

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L24_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221518
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

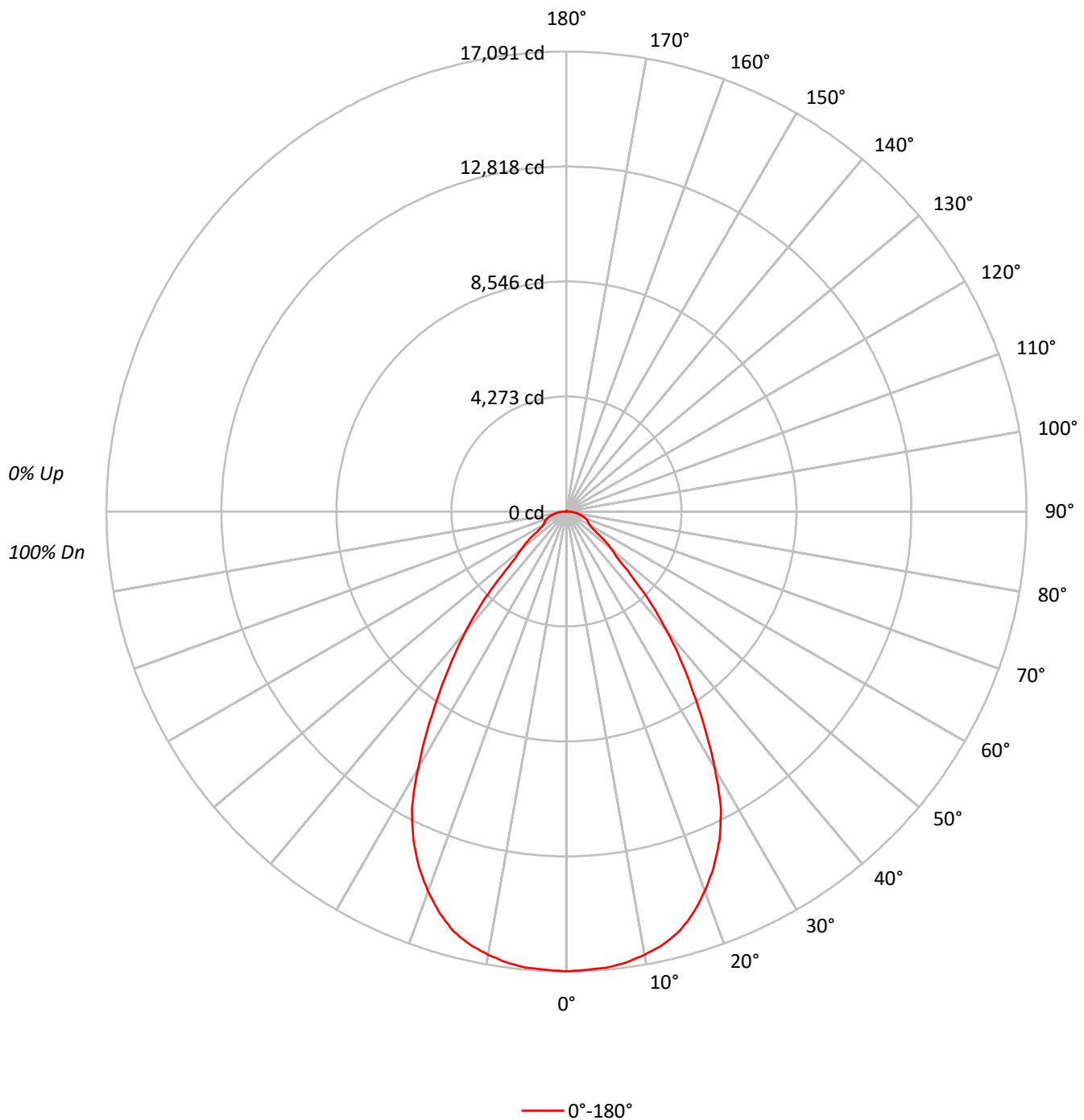
Lumens per Lamp: N/A
Luminaire Lumens: 23328.4 lumens
Efficiency: N/A
Efficacy: 150.9 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82
3	98	90	83	79	95	88	82	78	85	80	76	83	79	75	80	77	74
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	72	60	53	49	70	60	53	49	59	53	48	57	52	48	56	51	48
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98552
5°	93720
10°	88783
15°	83424
20°	75979
25°	67274
30°	54932
35°	41008
40°	29441
45°	18106
50°	11624
55°	7463
60°	5668
65°	5361
70°	4900
75°	4180
80°	3210
85°	1864

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18106 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1615.2	6.9
10°-20°	4524.7	19.4
20°-30°	6106.6	26.2
30°-40°	5151.9	22.1
40°-50°	2823.7	12.1
50°-60°	1306.2	5.6
60°-70°	871.3	3.7
70°-80°	627.3	2.7
80°-90°	232.6	1.0
90°-100°	6.4	0.0
100°-110°	7.0	0.0
110°-120°	7.3	0.0
120°-130°	7.8	0.0
130°-140°	9.6	0.0
140°-150°	12.3	0.1
150°-160°	10.4	0.0
160°-170°	5.9	0.0
170°-180°	2.1	0.0
0°-30°	12246.5	52.5
0°-40°	17398.4	74.6
0°-60°	21528.3	92.3
0°-90°	23259.5	99.7
90°-120°	20.8	0.1
90°-150°	50.4	0.2
90°-180°	69.0	0.3
0°-180°	23328.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17091	
5°	17020	###
15°	16165	4525
25°	13458	6107
35°	8212	5152
45°	3519	2824
55°	1363	1306
65°	886	871
75°	597	627
85°	217	217
90°	6	17
95°	6	5
105°	7	7
115°	8	7
125°	8	8
135°	12	10
145°	20	12
155°	23	10
165°	21	6
175°	23	2
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17090.9
2.5°	17051.5
5°	17019.8
7.5°	16909.3
10°	16727.0
12.5°	16499.5
15°	16164.9
17.5°	15657.1
20°	15018.1
22.5°	14310.4
25°	13458.0
27.5°	12431.7
30°	11036.5
32.5°	9590.2
35°	8211.7
37.5°	6975.4
40°	5831.1
42.5°	4703.5
45°	3519.1
47.5°	2559.6
50°	2199.1
52.5°	1805.1
55°	1362.6
57.5°	1110.8
60°	989.5
62.5°	931.0
65°	885.8
67.5°	826.4
70°	757.8
72.5°	682.6
75°	597.2
77.5°	509.4
80°	417.4
82.5°	320.4
85°	216.6
87.5°	106.2
90°	5.9
92.5°	5.9
95°	5.9
97.5°	5.9
100°	5.9
102.5°	6.7
105°	6.7
107.5°	6.7
110°	6.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	7.5
115°	7.5
117.5°	7.5
120°	7.5
122.5°	8.4
125°	8.4
127.5°	9.2
130°	10.0
132.5°	10.9
135°	11.7
137.5°	14.2
140°	15.9
142.5°	17.6
145°	20.1
147.5°	21.7
150°	23.4
152.5°	23.4
155°	22.6
157.5°	21.7
160°	20.9
162.5°	20.1
165°	20.9
167.5°	20.9
170°	21.7
172.5°	21.7
175°	22.6
177.5°	23.4
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	14.24	15.48	14.61	15.80	16.12	14.24	15.48	14.61	15.80	16.12
	3H	16.10	17.20	16.49	17.54	17.91	16.10	17.20	16.49	17.54	17.91
	4H	16.82	17.85	17.23	18.21	18.60	16.82	17.85	17.23	18.21	18.60
	6H	17.34	18.29	17.76	18.67	19.07	17.34	18.29	17.76	18.67	19.07
	8H	17.50	18.39	17.94	18.79	19.20	17.50	18.39	17.94	18.79	19.20
	12H	17.58	18.44	18.02	18.83	19.26	17.58	18.44	18.02	18.83	19.26
4H	2H	14.74	15.77	15.15	16.13	16.52	14.74	15.77	15.15	16.13	16.52
	3H	16.81	17.65	17.23	18.06	18.48	16.81	17.65	17.23	18.06	18.48
	4H	17.64	18.40	18.08	18.83	19.28	17.64	18.40	18.08	18.83	19.28
	6H	18.28	18.94	18.75	19.39	19.86	18.28	18.94	18.75	19.39	19.86
	8H	18.47	19.09	18.95	19.54	20.02	18.47	19.09	18.95	19.54	20.02
	12H	18.59	19.13	19.08	19.62	20.10	18.59	19.13	19.08	19.62	20.10
8H	4H	17.88	18.49	18.35	18.94	19.42	17.88	18.49	18.35	18.94	19.42
	6H	18.62	19.12	19.13	19.62	20.11	18.62	19.12	19.13	19.62	20.11
	8H	18.88	19.33	19.41	19.85	20.35	18.88	19.33	19.41	19.85	20.35
	12H	19.06	19.46	19.58	19.96	20.54	19.06	19.46	19.58	19.96	20.54
12H	4H	17.88	18.42	18.38	18.91	19.40	17.88	18.42	18.38	18.91	19.40
	6H	18.65	19.10	19.18	19.62	20.12	18.65	19.10	19.18	19.62	20.12
	8H	18.95	19.35	19.47	19.85	20.43	18.95	19.35	19.47	19.85	20.43