

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: P1221508

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L24_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221508
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-43)
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 (5000K_L24_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

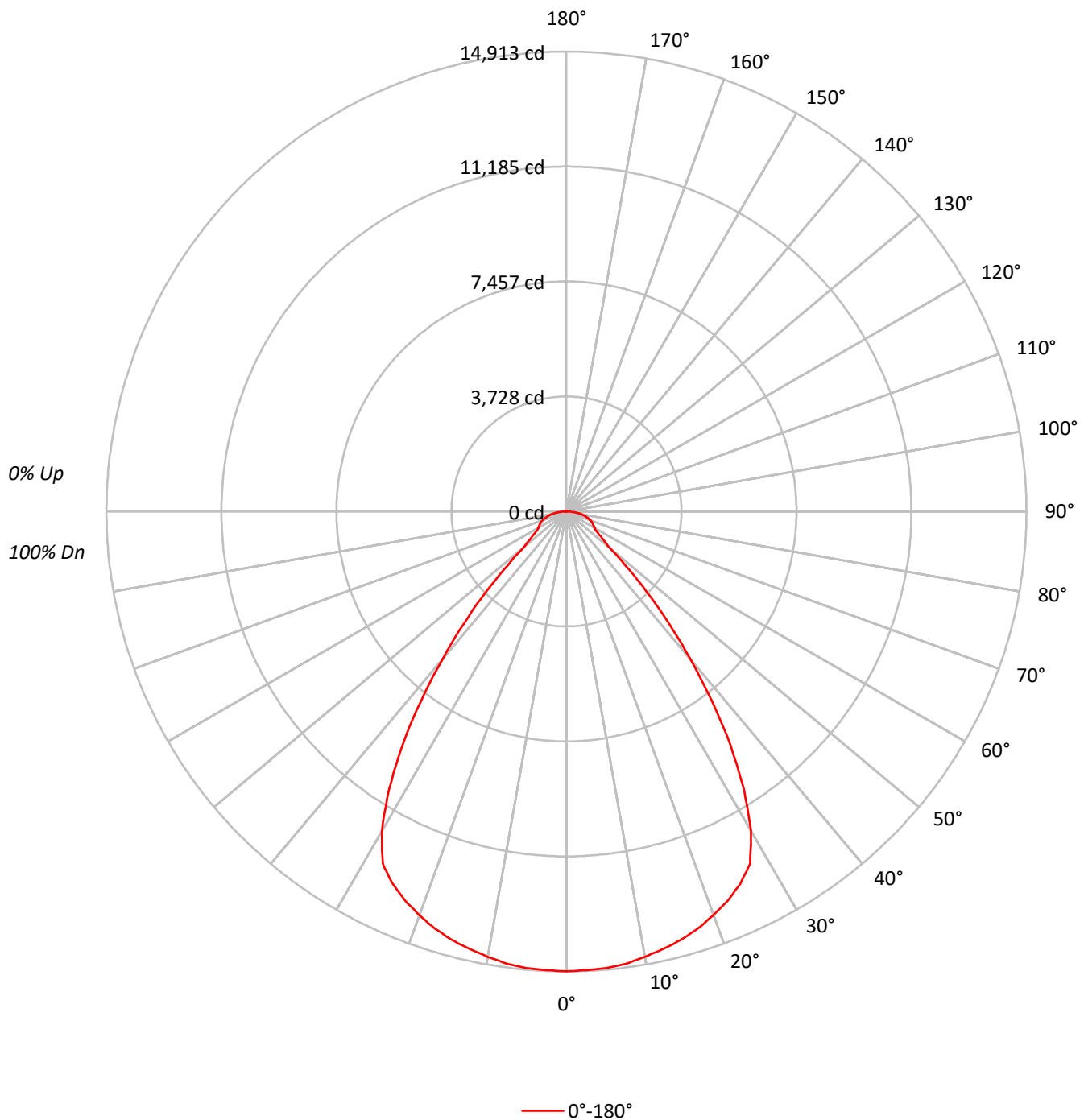
Lumens per Lamp: N/A
Luminaire Lumens: 23273.8 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	111	108	104	102	109	106	103	100	101	99	97	97	96	94	94	92	91
2	104	98	93	88	102	96	91	87	92	89	85	89	86	83	86	84	81
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	63	59	55
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85991
5°	81828
10°	77825
15°	74183
20°	70481
25°	66603
30°	59527
35°	46354
40°	31453
45°	18967
50°	9470
55°	6971
60°	5955
65°	5713
70°	5274
75°	4590
80°	3523
85°	1935

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18967 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1412.4	6.1
10°-20°	4056.0	17.4
20°-30°	6086.5	26.2
30°-40°	5713.7	24.5
40°-50°	2889.4	12.4
50°-60°	1184.1	5.1
60°-70°	928.7	4.0
70°-80°	685.2	2.9
80°-90°	246.3	1.1
90°-100°	6.9	0.0
100°-110°	7.3	0.0
110°-120°	7.7	0.0
120°-130°	8.0	0.0
130°-140°	9.7	0.0
140°-150°	12.7	0.1
150°-160°	11.3	0.0
160°-170°	6.1	0.0
170°-180°	2.1	0.0
0°-30°	11554.8	49.6
0°-40°	17268.4	74.2
0°-60°	21341.9	91.7
0°-90°	23202.0	99.7
90°-120°	21.9	0.1
90°-150°	52.2	0.2
90°-180°	72.0	0.3
0°-180°	23273.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14913	
5°	14860	###
15°	14374	4056
25°	13324	6086
35°	9282	5714
45°	3686	2889
55°	1273	1184
65°	944	929
75°	656	685
85°	225	231
90°	7	17
95°	6	5
105°	7	7
115°	8	8
125°	8	8
135°	13	10
145°	20	13
155°	24	11
165°	21	6
175°	22	2
180°	24	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14912.6
2.5°	14886.4
5°	14860.2
7.5°	14790.9
10°	14662.4
12.5°	14529.8
15°	14374.3
17.5°	14179.0
20°	13931.4
22.5°	13655.0
25°	13323.7
27.5°	12884.3
30°	11959.7
32.5°	10712.2
35°	9282.2
37.5°	7744.9
40°	6229.6
42.5°	4890.0
45°	3686.5
47.5°	2582.8
50°	1791.7
52.5°	1502.7
55°	1272.8
57.5°	1117.3
60°	1039.5
62.5°	991.4
65°	944.0
67.5°	884.9
70°	815.6
72.5°	740.3
75°	655.8
77.5°	562.9
80°	458.1
82.5°	346.5
85°	224.8
87.5°	101.4
90°	6.8
92.5°	5.9
95°	5.9
97.5°	6.8
100°	6.8
102.5°	6.8
105°	6.8
107.5°	6.8
110°	7.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	7.6
115°	7.6
117.5°	7.6
120°	8.5
122.5°	8.5
125°	8.5
127.5°	9.3
130°	10.1
132.5°	11.0
135°	12.7
137.5°	13.5
140°	16.1
142.5°	17.7
145°	20.3
147.5°	22.8
150°	25.4
152.5°	25.4
155°	24.5
157.5°	23.7
160°	22.0
162.5°	21.1
165°	21.1
167.5°	22.0
170°	22.0
172.5°	22.0
175°	22.0
177.5°	22.8
180°	24.5

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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	14.30	15.55	14.68	15.87	16.19	14.30	15.55	14.68	15.87	16.19
	3H	16.36	17.47	16.74	17.80	18.18	16.36	17.47	16.74	17.80	18.18
	4H	17.16	18.19	17.57	18.55	18.94	17.16	18.19	17.57	18.55	18.94
	6H	17.74	18.69	18.16	19.07	19.47	17.74	18.69	18.16	19.07	19.47
	8H	17.90	18.80	18.34	19.20	19.62	17.90	18.80	18.34	19.20	19.62
	12H	17.99	18.85	18.42	19.24	19.67	17.99	18.85	18.42	19.24	19.67
4H	2H	14.88	15.91	15.29	16.27	16.66	14.88	15.91	15.29	16.27	16.66
	3H	17.12	17.98	17.54	18.39	18.80	17.12	17.98	17.54	18.39	18.80
	4H	18.04	18.80	18.48	19.23	19.68	18.04	18.80	18.48	19.23	19.68
	6H	18.73	19.39	19.20	19.84	20.32	18.73	19.39	19.20	19.84	20.32
	8H	18.93	19.55	19.41	20.00	20.48	18.93	19.55	19.41	20.00	20.48
	12H	19.05	19.59	19.54	20.08	20.56	19.05	19.59	19.54	20.08	20.56
8H	4H	18.30	18.92	18.77	19.37	19.85	18.30	18.92	18.77	19.37	19.85
	6H	19.10	19.60	19.61	20.11	20.60	19.10	19.60	19.61	20.11	20.60
	8H	19.36	19.82	19.89	20.34	20.84	19.36	19.82	19.89	20.34	20.84
	12H	19.54	19.94	20.06	20.44	21.02	19.54	19.94	20.06	20.44	21.02
12H	4H	18.31	18.85	18.80	19.34	19.83	18.31	18.85	18.80	19.34	19.83
	6H	19.13	19.58	19.66	20.10	20.60	19.13	19.58	19.66	20.10	20.60
	8H	19.44	19.84	19.96	20.34	20.92	19.44	19.84	19.96	20.34	20.92