

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: P1221483

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3000K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221483
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-9)
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 (3000K_L24_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

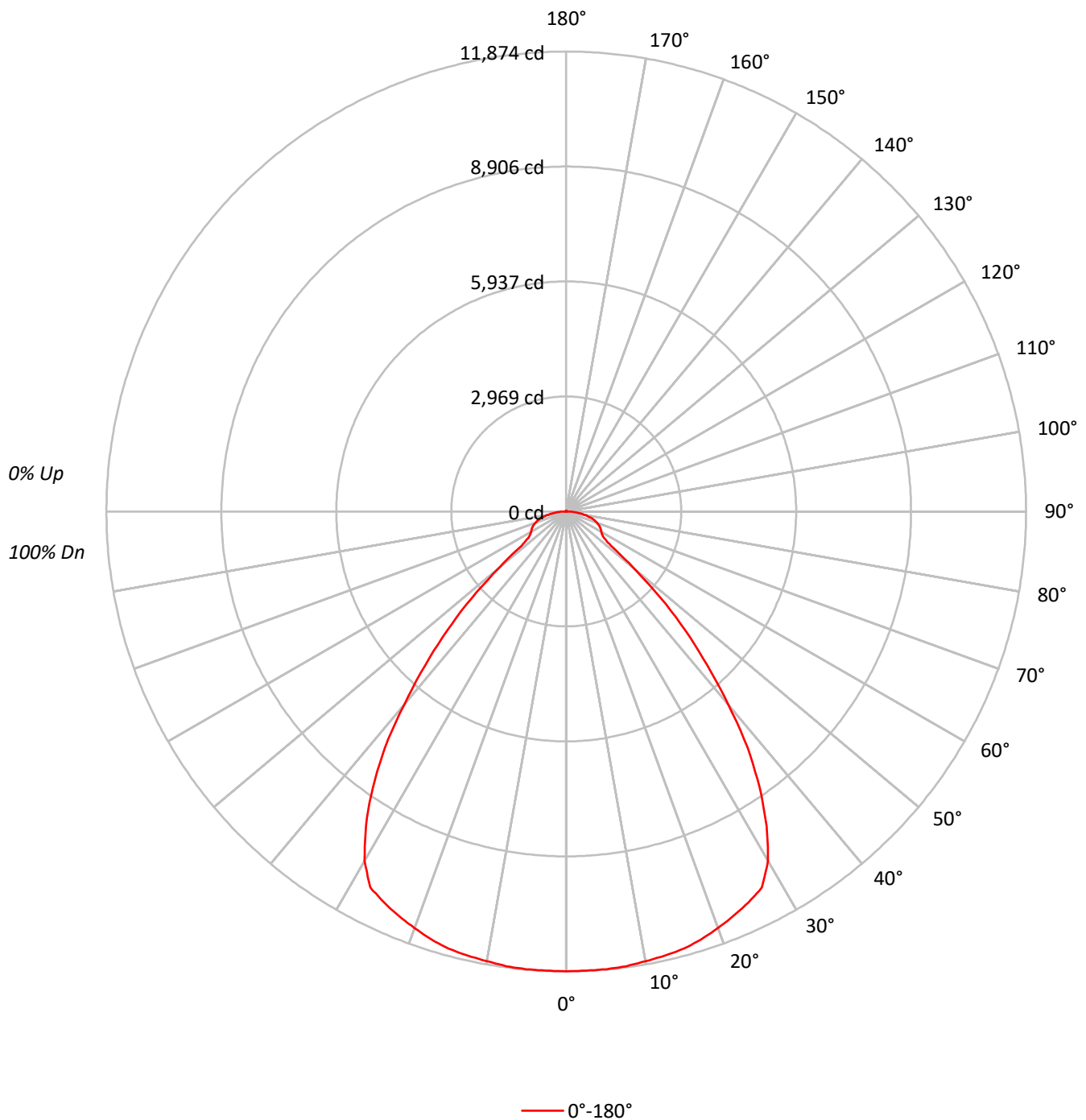
Lumens per Lamp: N/A
Luminaire Lumens: 21416.4 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	61	57	53
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44
9	65	53	46	41	64	53	46	41	51	45	41	50	45	41	49	44	40
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68472
5°	65333
10°	62588
15°	60328
20°	57917
25°	55681
30°	51851
35°	43496
40°	32880
45°	22402
50°	11982
55°	6500
60°	5998
65°	5833
70°	5446
75°	4728
80°	3522
85°	1919

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22402 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1130.2	5.3
10°-20°	3300.7	15.4
20°-30°	5116.4	23.9
30°-40°	5369.6	25.1
40°-50°	3333.4	15.6
50°-60°	1198.8	5.6
60°-70°	947.9	4.4
70°-80°	702.2	3.3
80°-90°	245.6	1.1
90°-100°	7.4	0.0
100°-110°	7.8	0.0
110°-120°	8.2	0.0
120°-130°	8.8	0.0
130°-140°	9.9	0.0
140°-150°	11.9	0.1
150°-160°	10.3	0.0
160°-170°	5.4	0.0
170°-180°	1.8	0.0
0°-30°	9547.4	44.6
0°-40°	14917.0	69.7
0°-60°	19449.2	90.8
0°-90°	21344.8	99.7
90°-120°	23.5	0.1
90°-150°	54.1	0.3
90°-180°	72.0	0.3
0°-180°	21416.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11874	
5°	11865	###
15°	11690	3301
25°	11139	5116
35°	8710	5370
45°	4354	3333
55°	1187	1199
65°	964	948
75°	676	702
85°	223	230
90°	7	17
95°	7	6
105°	8	8
115°	8	8
125°	10	9
135°	13	10
145°	19	12
155°	22	10
165°	19	5
175°	19	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11874.4
2.5°	11863.8
5°	11864.6
7.5°	11842.1
10°	11791.8
12.5°	11747.5
15°	11689.7
17.5°	11586.9
20°	11448.0
22.5°	11300.9
25°	11138.8
27.5°	10948.1
30°	10417.5
32.5°	9628.6
35°	8709.9
37.5°	7690.6
40°	6512.1
42.5°	5390.0
45°	4354.2
47.5°	3313.1
50°	2266.8
52.5°	1443.4
55°	1186.7
57.5°	1096.6
60°	1047.1
62.5°	1007.3
65°	963.8
67.5°	909.0
70°	842.2
72.5°	764.9
75°	675.5
77.5°	570.4
80°	457.9
82.5°	341.5
85°	222.9
87.5°	105.8
90°	6.8
92.5°	6.8
95°	6.8
97.5°	6.8
100°	6.8
102.5°	7.5
105°	7.5
107.5°	7.5
110°	7.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	8.3
115°	8.3
117.5°	8.3
120°	9.0
122.5°	9.0
125°	9.8
127.5°	10.5
130°	11.3
132.5°	12.0
135°	12.8
137.5°	13.5
140°	15.0
142.5°	17.3
145°	18.8
147.5°	21.0
150°	23.3
152.5°	23.3
155°	22.5
157.5°	21.0
160°	19.5
162.5°	18.8
165°	18.8
167.5°	18.8
170°	18.8
172.5°	18.8
175°	18.8
177.5°	20.3
180°	21.0

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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	14.40	15.70	14.77	16.02	16.35	14.40	15.70	14.77	16.02	16.35
	3H	16.62	17.78	17.01	18.12	18.49	16.62	17.78	17.01	18.12	18.49
	4H	17.47	18.55	17.87	18.91	19.30	17.47	18.55	17.87	18.91	19.30
	6H	18.04	19.04	18.47	19.42	19.82	18.04	19.04	18.47	19.42	19.82
	8H	18.20	19.15	18.64	19.55	19.96	18.20	19.15	18.64	19.55	19.96
	12H	18.29	19.19	18.72	19.58	20.02	18.29	19.19	18.72	19.58	20.02
4H	2H	15.05	16.13	15.46	16.49	16.88	15.05	16.13	15.46	16.49	16.88
	3H	17.44	18.33	17.86	18.74	19.15	17.44	18.33	17.86	18.74	19.15
	4H	18.39	19.19	18.83	19.62	20.07	18.39	19.19	18.83	19.62	20.07
	6H	19.08	19.77	19.54	20.22	20.70	19.08	19.77	19.54	20.22	20.70
	8H	19.27	19.92	19.74	20.37	20.85	19.27	19.92	19.74	20.37	20.85
	12H	19.38	19.96	19.87	20.44	20.93	19.38	19.96	19.87	20.44	20.93
8H	4H	18.67	19.32	19.14	19.77	20.25	18.67	19.32	19.14	19.77	20.25
	6H	19.45	19.98	19.96	20.49	20.98	19.45	19.98	19.96	20.49	20.98
	8H	19.70	20.18	20.23	20.70	21.20	19.70	20.18	20.23	20.70	21.20
	12H	19.87	20.30	20.39	20.80	21.37	19.87	20.30	20.39	20.80	21.37
12H	4H	18.68	19.25	19.17	19.74	20.22	18.68	19.25	19.17	19.74	20.22
	6H	19.48	19.96	20.01	20.48	20.98	19.48	19.96	20.01	20.48	20.98
	8H	19.78	20.20	20.30	20.70	21.28	19.78	20.20	20.30	20.70	21.28