

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: P1221497

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221497
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 (3500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

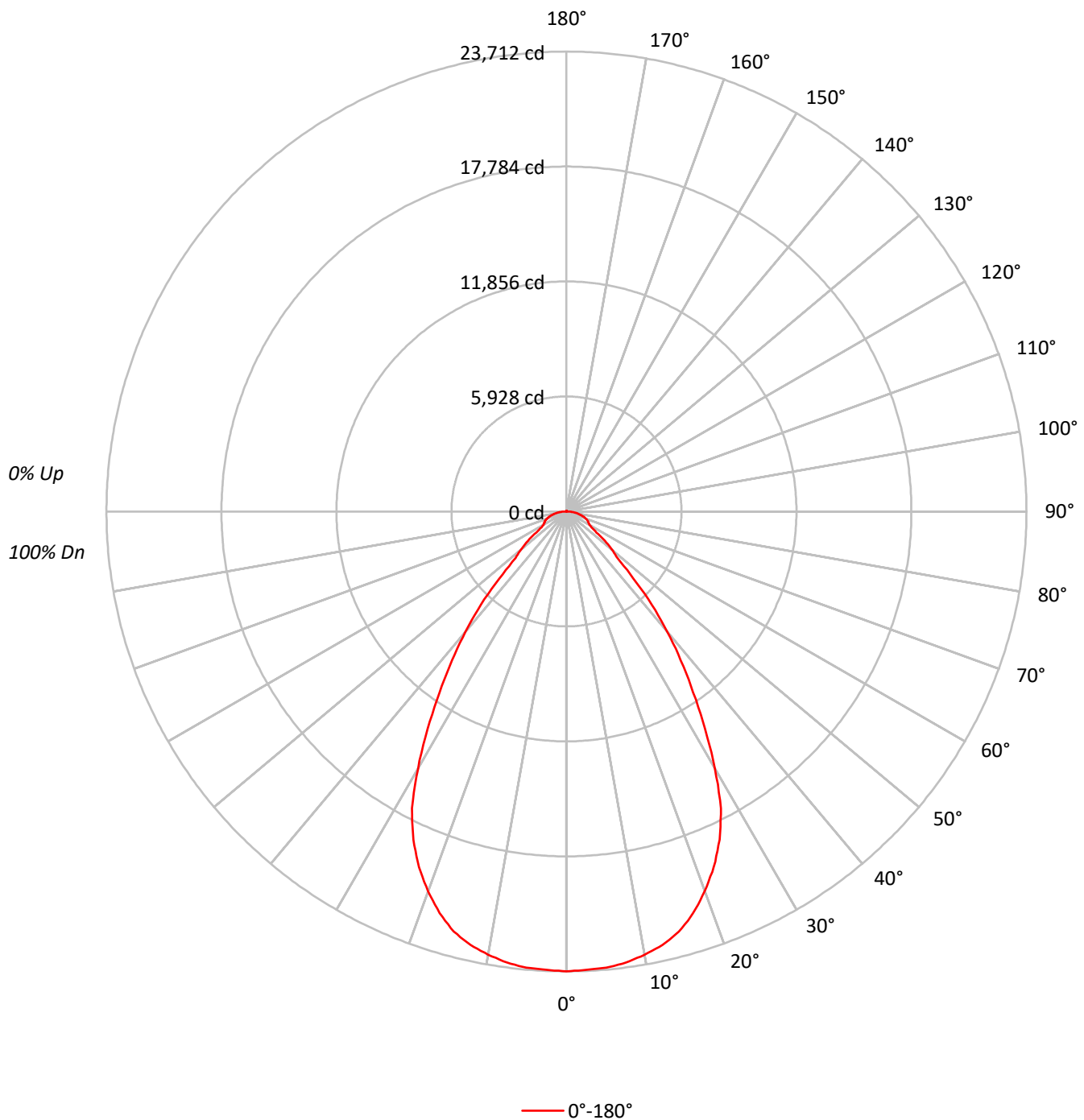
Lumens per Lamp: N/A
Luminaire Lumens: 32366.5 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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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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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	98	90	83	79	95	88	82	78	85	80	76	83	79	75	80	77	74	72		
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	54		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	72	60	53	49	70	60	53	49	59	53	48	57	52	48	56	51	48	46		
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43		
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	136733
5°	130030
10°	123181
15°	115745
20°	105416
25°	93338
30°	76214
35°	56895
40°	40847
45°	25120
50°	16127
55°	10355
60°	7864
65°	7438
70°	6799
75°	5799
80°	4454
85°	2587

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25120 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2240.9	6.9
10°-20°	6277.7	19.4
20°-30°	8472.5	26.2
30°-40°	7147.9	22.1
40°-50°	3917.7	12.1
50°-60°	1812.3	5.6
60°-70°	1208.9	3.7
70°-80°	870.3	2.7
80°-90°	322.8	1.0
90°-100°	8.8	0.0
100°-110°	9.7	0.0
110°-120°	10.2	0.0
120°-130°	10.8	0.0
130°-140°	13.3	0.0
140°-150°	17.1	0.1
150°-160°	14.5	0.0
160°-170°	8.2	0.0
170°-180°	3.0	0.0
0°-30°	16991.2	52.5
0°-40°	24139.1	74.6
0°-60°	29869.0	92.3
0°-90°	32271.0	99.7
90°-120°	28.7	0.1
90°-150°	69.8	0.2
90°-180°	95.0	0.3
0°-180°	32366.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23712	
5°	23614	###
15°	22428	6278
25°	18672	8473
35°	11393	7148
45°	4882	3918
55°	1890	1812
65°	1229	1209
75°	829	870
85°	301	301
90°	8	24
95°	8	7
105°	9	10
115°	10	10
125°	12	11
135°	16	13
145°	28	17
155°	31	14
165°	29	8
175°	31	3
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23712.4
2.5°	23657.9
5°	23613.8
7.5°	23460.6
10°	23207.6
12.5°	22891.9
15°	22427.7
17.5°	21723.2
20°	20836.6
22.5°	19854.7
25°	18672.1
27.5°	17248.1
30°	15312.3
32.5°	13305.7
35°	11393.1
37.5°	9677.8
40°	8090.2
42.5°	6525.8
45°	4882.4
47.5°	3551.3
50°	3051.1
52.5°	2504.5
55°	1890.5
57.5°	1541.2
60°	1372.9
62.5°	1291.7
65°	1229.0
67.5°	1146.6
70°	1051.5
72.5°	947.0
75°	828.6
77.5°	706.8
80°	579.1
82.5°	444.5
85°	300.6
87.5°	147.4
90°	8.1
92.5°	8.1
95°	8.1
97.5°	8.1
100°	8.1
102.5°	9.3
105°	9.3
107.5°	9.3
110°	9.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.4
115°	10.4
117.5°	10.4
120°	10.4
122.5°	11.6
125°	11.6
127.5°	12.8
130°	13.9
132.5°	15.1
135°	16.2
137.5°	19.7
140°	22.1
142.5°	24.4
145°	27.9
147.5°	30.2
150°	32.5
152.5°	32.5
155°	31.3
157.5°	30.2
160°	29.0
162.5°	27.9
165°	29.0
167.5°	29.0
170°	30.2
172.5°	30.2
175°	31.3
177.5°	32.5
180°	34.8

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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	15.38	16.62	15.75	16.94	17.26	15.38	16.62	15.75	16.94	17.26
	3H	17.24	18.34	17.63	18.68	19.05	17.24	18.34	17.63	18.68	19.05
	4H	17.96	18.99	18.37	19.35	19.74	17.96	18.99	18.37	19.35	19.74
	6H	18.48	19.43	18.90	19.80	20.21	18.48	19.43	18.90	19.80	20.21
	8H	18.64	19.53	19.07	19.93	20.34	18.64	19.53	19.07	19.93	20.34
	12H	18.72	19.57	19.16	19.96	20.40	18.72	19.57	19.16	19.96	20.40
4H	2H	15.88	16.91	16.29	17.26	17.66	15.88	16.91	16.29	17.26	17.66
	3H	17.95	18.79	18.36	19.20	19.61	17.95	18.79	18.36	19.20	19.61
	4H	18.78	19.54	19.22	19.97	20.42	18.78	19.54	19.22	19.97	20.42
	6H	19.42	20.07	19.89	20.53	21.00	19.42	20.07	19.89	20.53	21.00
	8H	19.61	20.22	20.09	20.68	21.16	19.61	20.22	20.09	20.68	21.16
	12H	19.73	20.27	20.22	20.76	21.24	19.73	20.27	20.22	20.76	21.24
8H	4H	19.02	19.63	19.49	20.08	20.56	19.02	19.63	19.49	20.08	20.56
	6H	19.76	20.26	20.27	20.76	21.25	19.76	20.26	20.27	20.76	21.25
	8H	20.02	20.47	20.54	20.99	21.49	20.02	20.47	20.54	20.99	21.49
	12H	20.20	20.59	20.72	21.09	21.67	20.20	20.59	20.72	21.09	21.67
12H	4H	19.02	19.56	19.51	20.05	20.53	19.02	19.56	19.51	20.05	20.53
	6H	19.78	20.23	20.31	20.76	21.26	19.78	20.23	20.31	20.76	21.26
	8H	20.09	20.49	20.61	20.99	21.57	20.09	20.49	20.61	20.99	21.57

END OF REPORT