

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: P1221516

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221516
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 (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

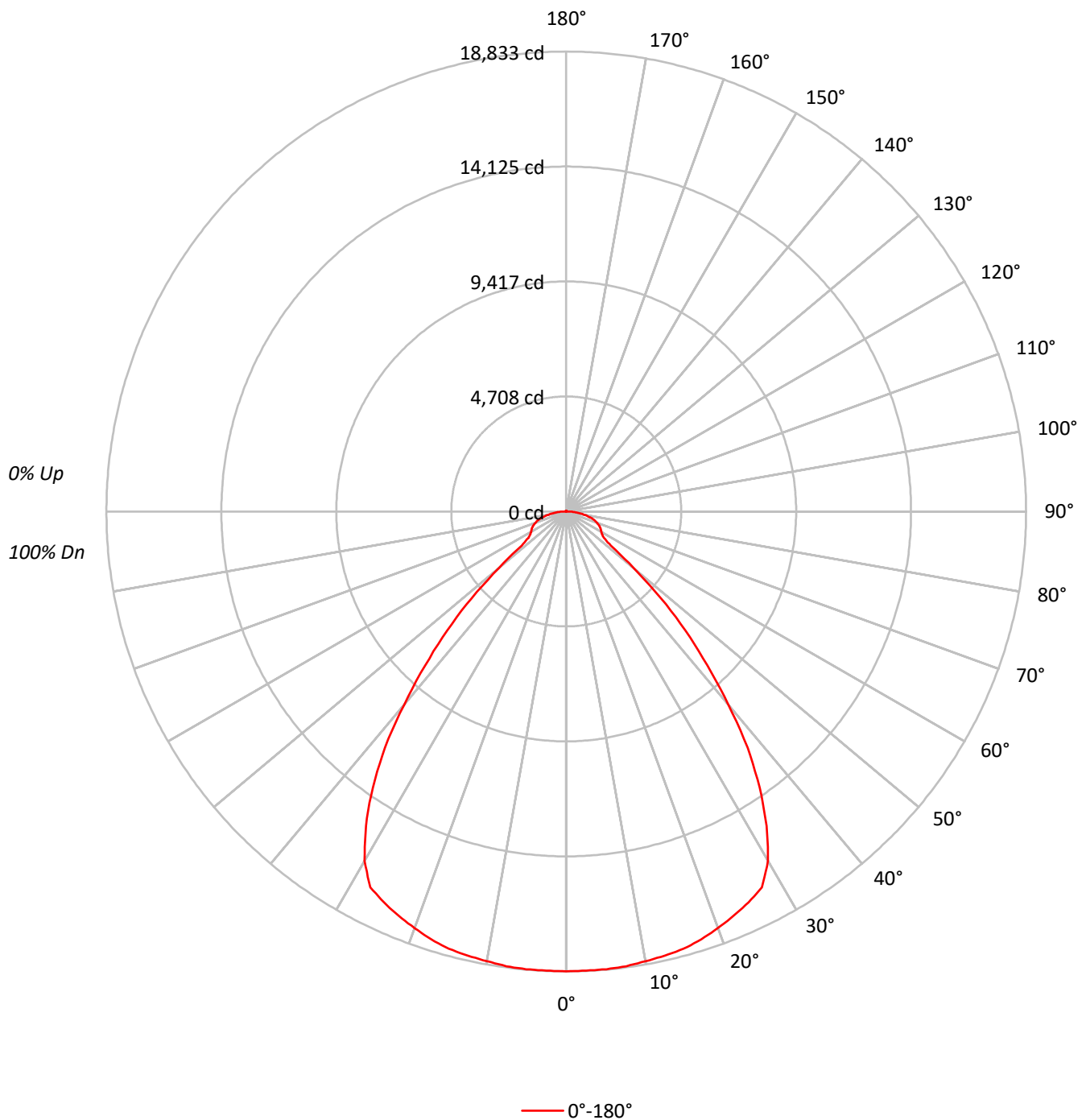
Lumens per Lamp: N/A
Luminaire Lumens: 33966.8 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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
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°	108598
5°	103620
10°	99267
15°	95682
20°	91859
25°	88311
30°	82237
35°	68985
40°	52148
45°	35531
50°	19003
55°	10309
60°	9513
65°	9251
70°	8637
75°	7499
80°	5585
85°	3044

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 35531 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1792.6	5.3
10°-20°	5235.0	15.4
20°-30°	8114.8	23.9
30°-40°	8516.4	25.1
40°-50°	5286.9	15.6
50°-60°	1901.3	5.6
60°-70°	1503.3	4.4
70°-80°	1113.8	3.3
80°-90°	389.6	1.1
90°-100°	11.7	0.0
100°-110°	12.4	0.0
110°-120°	13.0	0.0
120°-130°	14.0	0.0
130°-140°	15.7	0.0
140°-150°	18.8	0.1
150°-160°	16.3	0.0
160°-170°	8.5	0.0
170°-180°	2.9	0.0
0°-30°	15142.4	44.6
0°-40°	23658.8	69.7
0°-60°	30846.9	90.8
0°-90°	33853.5	99.7
90°-120°	37.1	0.1
90°-150°	85.6	0.3
90°-180°	113.0	0.3
0°-180°	33966.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18833	
5°	18818	###
15°	18540	5235
25°	17666	8115
35°	13814	8516
45°	6906	5287
55°	1882	1901
65°	1529	1503
75°	1071	1114
85°	354	365
90°	11	27
95°	11	9
105°	12	12
115°	13	13
125°	16	14
135°	20	16
145°	30	19
155°	36	16
165°	30	9
175°	30	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18833.1
2.5°	18816.4
5°	18817.6
7.5°	18781.9
10°	18702.1
12.5°	18631.9
15°	18540.2
17.5°	18377.1
20°	18156.9
22.5°	17923.6
25°	17666.4
27.5°	17364.1
30°	16522.4
32.5°	15271.2
35°	13814.1
37.5°	12197.5
40°	10328.4
42.5°	8548.7
45°	6905.9
47.5°	5254.7
50°	3595.2
52.5°	2289.3
55°	1882.1
57.5°	1739.3
60°	1660.7
62.5°	1597.6
65°	1528.6
67.5°	1441.6
70°	1335.7
72.5°	1213.1
75°	1071.4
77.5°	904.7
80°	726.2
82.5°	541.7
85°	353.6
87.5°	167.9
90°	10.7
92.5°	10.7
95°	10.7
97.5°	10.7
100°	10.7
102.5°	11.9
105°	11.9
107.5°	11.9
110°	11.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.1
115°	13.1
117.5°	13.1
120°	14.3
122.5°	14.3
125°	15.5
127.5°	16.7
130°	17.9
132.5°	19.0
135°	20.2
137.5°	21.4
140°	23.8
142.5°	27.4
145°	29.8
147.5°	33.3
150°	36.9
152.5°	36.9
155°	35.7
157.5°	33.3
160°	31.0
162.5°	29.8
165°	29.8
167.5°	29.8
170°	29.8
172.5°	29.8
175°	29.8
177.5°	32.1
180°	33.3

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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	16.01	17.31	16.38	17.63	17.95	16.01	17.31	16.38	17.63	17.95
	3H	18.22	19.38	18.61	19.72	20.09	18.22	19.38	18.61	19.72	20.09
	4H	19.07	20.15	19.48	20.51	20.90	19.07	20.15	19.48	20.51	20.90
	6H	19.65	20.64	20.07	21.02	21.42	19.65	20.64	20.07	21.02	21.42
	8H	19.81	20.75	20.24	21.15	21.56	19.81	20.75	20.24	21.15	21.56
	12H	19.89	20.79	20.33	21.18	21.62	19.89	20.79	20.33	21.18	21.62
4H	2H	16.65	17.73	17.06	18.09	18.48	16.65	17.73	17.06	18.09	18.48
	3H	19.04	19.94	19.46	20.35	20.76	19.04	19.94	19.46	20.35	20.76
	4H	19.99	20.80	20.43	21.22	21.67	19.99	20.80	20.43	21.22	21.67
	6H	20.68	21.37	21.15	21.83	22.30	20.68	21.37	21.15	21.83	22.30
	8H	20.87	21.52	21.35	21.98	22.45	20.87	21.52	21.35	21.98	22.45
	12H	20.98	21.56	21.47	22.05	22.53	20.98	21.56	21.47	22.05	22.53
8H	4H	20.27	20.92	20.74	21.37	21.85	20.27	20.92	20.74	21.37	21.85
	6H	21.05	21.59	21.56	22.09	22.58	21.05	21.59	21.56	22.09	22.58
	8H	21.31	21.79	21.83	22.31	22.81	21.31	21.79	21.83	22.31	22.81
	12H	21.47	21.90	21.99	22.40	22.98	21.47	21.90	21.99	22.40	22.98
12H	4H	20.28	20.86	20.77	21.34	21.83	20.28	20.86	20.77	21.34	21.83
	6H	21.08	21.56	21.61	22.08	22.58	21.08	21.56	21.61	22.08	22.58
	8H	21.38	21.81	21.90	22.31	22.88	21.38	21.81	21.90	22.31	22.88

END OF REPORT