

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: P1221487

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3000K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221487
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 (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

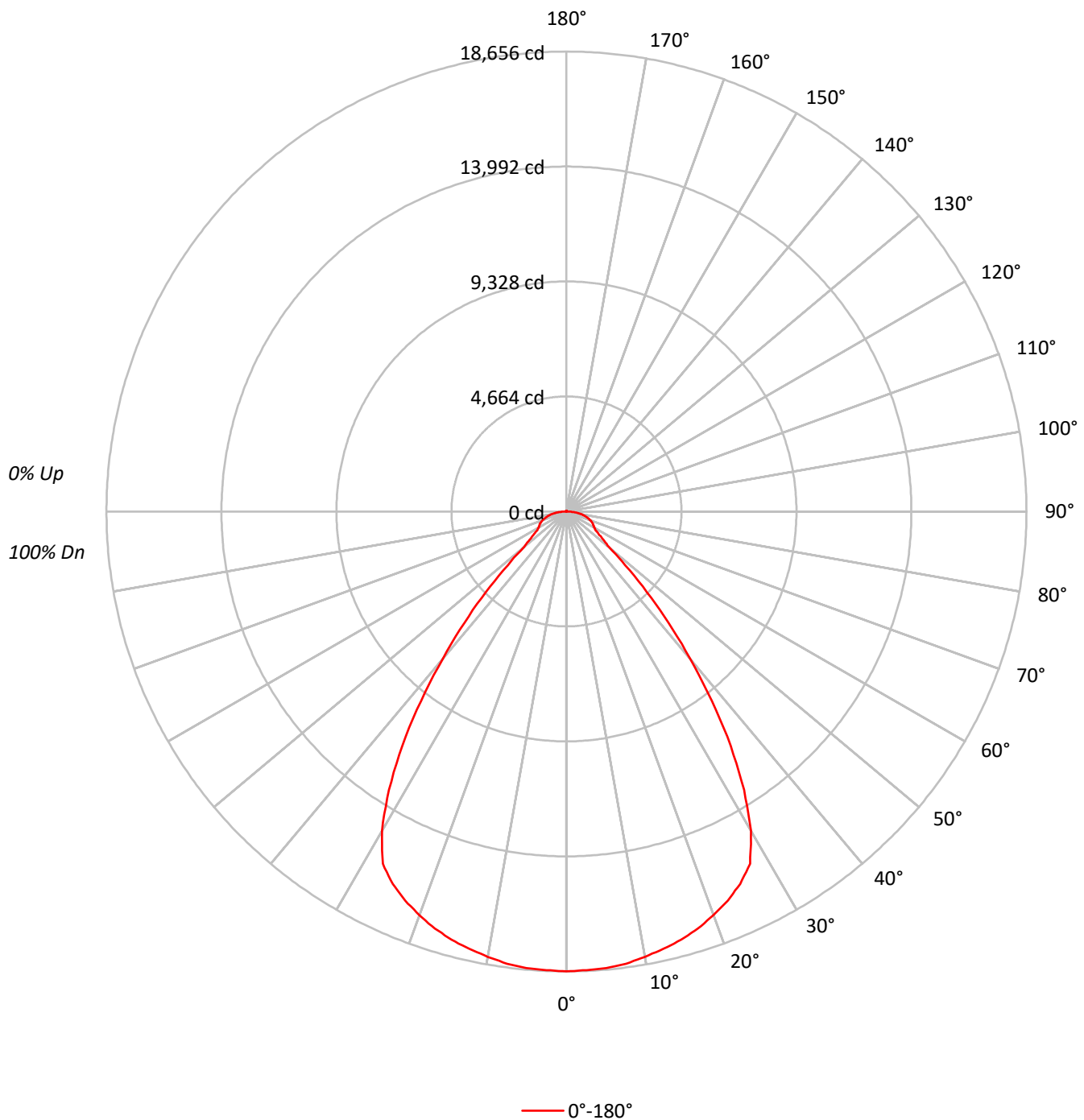
Lumens per Lamp: N/A
Luminaire Lumens: 29115.2 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 236.8
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°	107574
5°	102366
10°	97358
15°	92802
20°	88172
25°	83320
30°	74467
35°	57988
40°	39347
45°	23728
50°	11847
55°	8721
60°	7449
65°	7147
70°	6598
75°	5742
80°	4407
85°	2420

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 23728 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1766.8	6.1
10°-20°	5074.0	17.4
20°-30°	7614.1	26.2
30°-40°	7147.7	24.5
40°-50°	3614.6	12.4
50°-60°	1481.3	5.1
60°-70°	1161.8	4.0
70°-80°	857.1	2.9
80°-90°	308.1	1.1
90°-100°	8.7	0.0
100°-110°	9.1	0.0
110°-120°	9.6	0.0
120°-130°	10.0	0.0
130°-140°	12.1	0.0
140°-150°	15.9	0.1
150°-160°	14.1	0.0
160°-170°	7.6	0.0
170°-180°	2.6	0.0
0°-30°	14454.9	49.6
0°-40°	21602.7	74.2
0°-60°	26698.5	91.7
0°-90°	29025.5	99.7
90°-120°	27.4	0.1
90°-150°	65.3	0.2
90°-180°	90.0	0.3
0°-180°	29115.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18656	
5°	18590	###
15°	17982	5074
25°	16668	7614
35°	11612	7148
45°	4612	3615
55°	1592	1481
65°	1181	1162
75°	820	857
85°	281	290
90°	8	21
95°	7	6
105°	8	9
115°	10	10
125°	11	10
135°	16	12
145°	25	16
155°	31	14
165°	26	8
175°	28	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18655.5
2.5°	18622.8
5°	18590.0
7.5°	18503.3
10°	18342.6
12.5°	18176.6
15°	17982.1
17.5°	17737.8
20°	17428.1
22.5°	17082.3
25°	16667.9
27.5°	16118.1
30°	14961.4
32.5°	13400.9
35°	11612.0
37.5°	9688.8
40°	7793.1
42.5°	6117.4
45°	4611.8
47.5°	3231.0
50°	2241.4
52.5°	1879.8
55°	1592.3
57.5°	1397.7
60°	1300.4
62.5°	1240.2
65°	1181.0
67.5°	1107.0
70°	1020.3
72.5°	926.2
75°	820.4
77.5°	704.1
80°	573.0
82.5°	433.5
85°	281.2
87.5°	126.9
90°	8.5
92.5°	7.4
95°	7.4
97.5°	8.5
100°	8.5
102.5°	8.5
105°	8.5
107.5°	8.5
110°	9.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.5
115°	9.5
117.5°	9.5
120°	10.6
122.5°	10.6
125°	10.6
127.5°	11.6
130°	12.7
132.5°	13.7
135°	15.9
137.5°	16.9
140°	20.1
142.5°	22.2
145°	25.4
147.5°	28.5
150°	31.7
152.5°	31.7
155°	30.7
157.5°	29.6
160°	27.5
162.5°	26.4
165°	26.4
167.5°	27.5
170°	27.5
172.5°	27.5
175°	27.5
177.5°	28.5
180°	30.7

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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	15.08	16.33	15.45	16.65	16.97	15.08	16.33	15.45	16.65	16.97
	3H	17.14	18.24	17.52	18.58	18.95	17.14	18.24	17.52	18.58	18.95
	4H	17.94	18.97	18.35	19.33	19.72	17.94	18.97	18.35	19.33	19.72
	6H	18.51	19.47	18.94	19.84	20.25	18.51	19.47	18.94	19.84	20.25
	8H	18.68	19.58	19.12	19.98	20.39	18.68	19.58	19.12	19.98	20.39
	12H	18.76	19.62	19.20	20.01	20.45	18.76	19.62	19.20	20.01	20.45
4H	2H	15.66	16.69	16.07	17.05	17.44	15.66	16.69	16.07	17.05	17.44
	3H	17.90	18.75	18.32	19.17	19.58	17.90	18.75	18.32	19.17	19.58
	4H	18.81	19.58	19.26	20.01	20.46	18.81	19.58	19.26	20.01	20.46
	6H	19.51	20.17	19.98	20.62	21.10	19.51	20.17	19.98	20.62	21.10
	8H	19.71	20.33	20.18	20.78	21.26	19.71	20.33	20.18	20.78	21.26
	12H	19.82	20.37	20.32	20.86	21.34	19.82	20.37	20.32	20.86	21.34
8H	4H	19.08	19.70	19.55	20.15	20.63	19.08	19.70	19.55	20.15	20.63
	6H	19.88	20.38	20.38	20.88	21.37	19.88	20.38	20.38	20.88	21.37
	8H	20.14	20.60	20.67	21.12	21.62	20.14	20.60	20.67	21.12	21.62
	12H	20.32	20.72	20.84	21.22	21.80	20.32	20.72	20.84	21.22	21.80
12H	4H	19.09	19.63	19.58	20.12	20.60	19.09	19.63	19.58	20.12	20.60
	6H	19.91	20.36	20.43	20.88	21.38	19.91	20.36	20.43	20.88	21.38
	8H	20.22	20.62	20.74	21.12	21.70	20.22	20.62	20.74	21.12	21.70

END OF REPORT