

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: P1221496

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221496
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 (3500K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

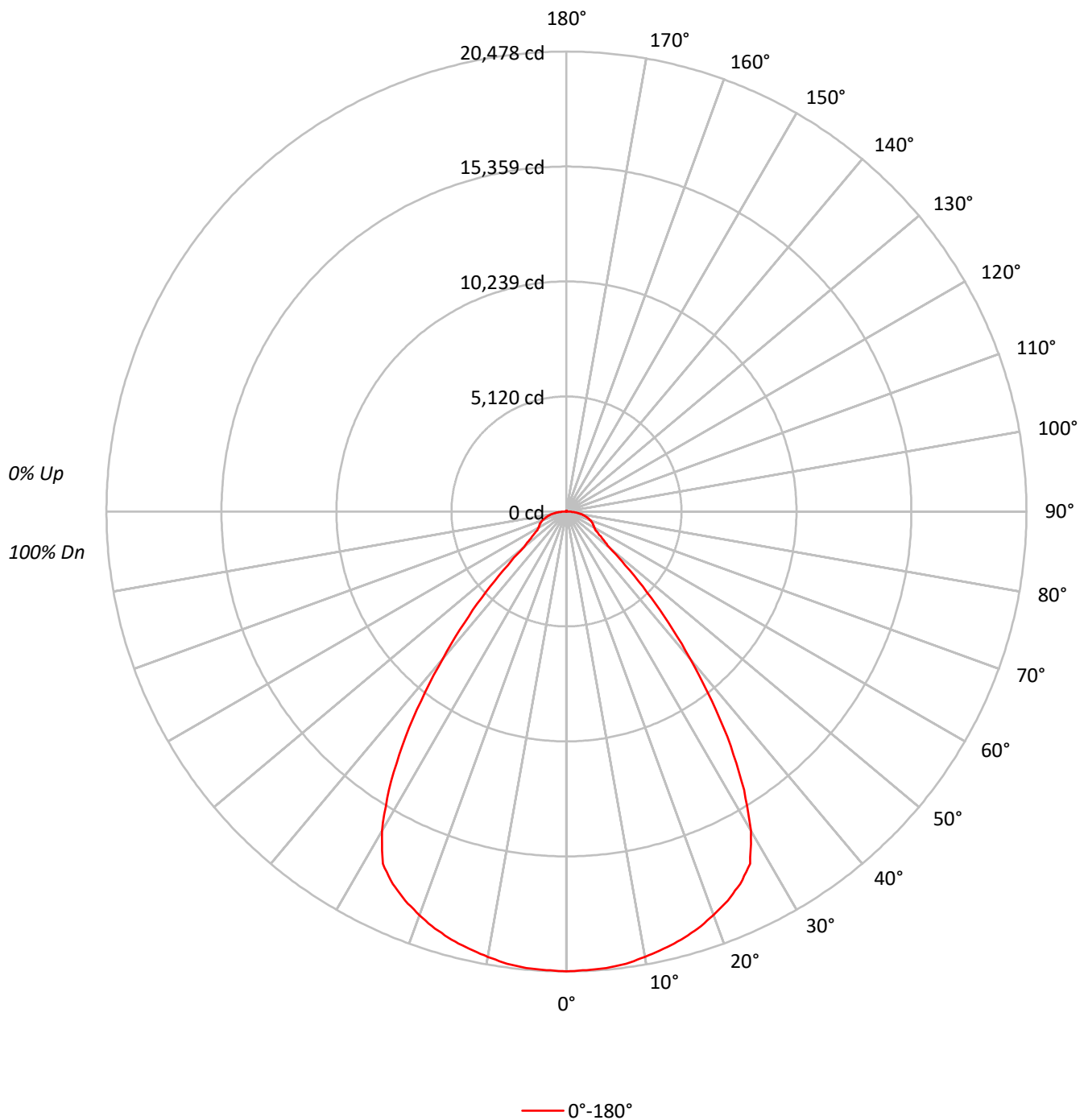
Lumens per Lamp: N/A
Luminaire Lumens: 31959.3 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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	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°	118083
5°	112366
10°	106869
15°	101867
20°	96785
25°	91459
30°	81742
35°	63653
40°	43191
45°	26045
50°	13005
55°	9573
60°	8177
65°	7845
70°	7242
75°	6303
80°	4838
85°	2657

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 26045 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1939.4	6.1
10°-20°	5569.6	17.4
20°-30°	8357.9	26.2
30°-40°	7846.0	24.5
40°-50°	3967.7	12.4
50°-60°	1626.0	5.1
60°-70°	1275.2	4.0
70°-80°	940.9	2.9
80°-90°	338.2	1.1
90°-100°	9.5	0.0
100°-110°	10.0	0.0
110°-120°	10.5	0.0
120°-130°	10.9	0.0
130°-140°	13.3	0.0
140°-150°	17.4	0.1
150°-160°	15.5	0.0
160°-170°	8.4	0.0
170°-180°	2.9	0.0
0°-30°	15867.0	49.6
0°-40°	23713.0	74.2
0°-60°	29306.7	91.7
0°-90°	31860.9	99.7
90°-120°	29.9	0.1
90°-150°	71.6	0.2
90°-180°	98.0	0.3
0°-180°	31959.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20478	
5°	20406	###
15°	19739	5570
25°	18296	8358
35°	12746	7846
45°	5062	3968
55°	1748	1626
65°	1296	1275
75°	901	941
85°	309	318
90°	9	23
95°	8	7
105°	9	10
115°	10	10
125°	12	11
135°	17	13
145°	28	17
155°	34	16
165°	29	8
175°	30	3
180°	34	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20478.0
2.5°	20442.0
5°	20406.0
7.5°	20310.8
10°	20134.4
12.5°	19952.2
15°	19738.7
17.5°	19470.6
20°	19130.6
22.5°	18751.1
25°	18296.1
27.5°	17692.6
30°	16423.0
32.5°	14710.0
35°	12746.4
37.5°	10635.3
40°	8554.4
42.5°	6715.0
45°	5062.3
47.5°	3546.6
50°	2460.4
52.5°	2063.5
55°	1747.8
57.5°	1534.3
60°	1427.5
62.5°	1361.3
65°	1296.3
67.5°	1215.1
70°	1119.9
72.5°	1016.6
75°	900.6
77.5°	772.9
80°	629.0
82.5°	475.8
85°	308.7
87.5°	139.3
90°	9.3
92.5°	8.1
95°	8.1
97.5°	9.3
100°	9.3
102.5°	9.3
105°	9.3
107.5°	9.3
110°	10.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.4
115°	10.4
117.5°	10.4
120°	11.6
122.5°	11.6
125°	11.6
127.5°	12.8
130°	13.9
132.5°	15.1
135°	17.4
137.5°	18.6
140°	22.1
142.5°	24.4
145°	27.9
147.5°	31.3
150°	34.8
152.5°	34.8
155°	33.7
157.5°	32.5
160°	30.2
162.5°	29.0
165°	29.0
167.5°	30.2
170°	30.2
172.5°	30.2
175°	30.2
177.5°	31.3
180°	33.7

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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	15.41	16.65	15.78	16.97	17.29	15.41	16.65	15.78	16.97	17.29
	3H	17.46	18.57	17.85	18.91	19.28	17.46	18.57	17.85	18.91	19.28
	4H	18.26	19.29	18.67	19.65	20.05	18.26	19.29	18.67	19.65	20.05
	6H	18.84	19.79	19.26	20.17	20.57	18.84	19.79	19.26	20.17	20.57
	8H	19.00	19.91	19.44	20.30	20.72	19.00	19.91	19.44	20.30	20.72
	12H	19.09	19.95	19.53	20.34	20.78	19.09	19.95	19.53	20.34	20.78
4H	2H	15.98	17.02	16.39	17.37	17.77	15.98	17.02	16.39	17.37	17.77
	3H	18.22	19.08	18.64	19.49	19.90	18.22	19.08	18.64	19.49	19.90
	4H	19.14	19.90	19.58	20.33	20.78	19.14	19.90	19.58	20.33	20.78
	6H	19.83	20.49	20.30	20.95	21.42	19.83	20.49	20.30	20.95	21.42
	8H	20.03	20.65	20.51	21.11	21.58	20.03	20.65	20.51	21.11	21.58
	12H	20.15	20.69	20.64	21.18	21.67	20.15	20.69	20.64	21.18	21.67
8H	4H	19.40	20.02	19.88	20.47	20.95	19.40	20.02	19.88	20.47	20.95
	6H	20.20	20.70	20.71	21.21	21.70	20.20	20.70	20.71	21.21	21.70
	8H	20.47	20.92	20.99	21.44	21.94	20.47	20.92	20.99	21.44	21.94
	12H	20.64	21.04	21.16	21.54	22.12	20.64	21.04	21.16	21.54	22.12
12H	4H	19.41	19.96	19.90	20.45	20.93	19.41	19.96	19.90	20.45	20.93
	6H	20.23	20.68	20.76	21.21	21.71	20.23	20.68	20.76	21.21	21.71
	8H	20.54	20.94	21.07	21.44	22.02	20.54	20.94	21.07	21.44	22.02

END OF REPORT