

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: P1221515

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221515
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 (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

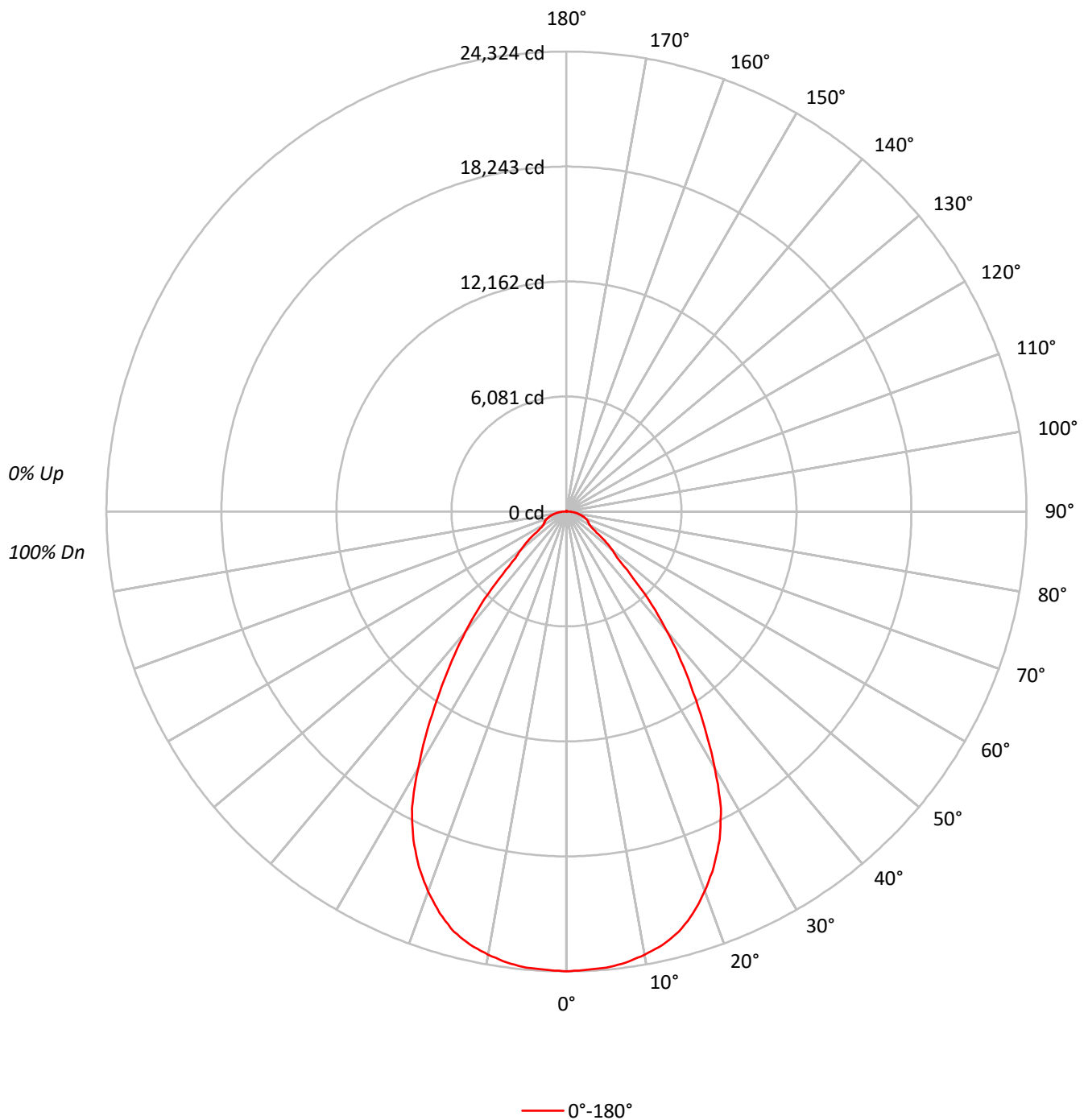
Lumens per Lamp: N/A
Luminaire Lumens: 33200.6 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	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	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°	140257
5°	133381
10°	126355
15°	118727
20°	108132
25°	95744
30°	78178
35°	58361
40°	41900
45°	25768
50°	16543
55°	10622
60°	8067
65°	7630
70°	6975
75°	5949
80°	4568
85°	2654

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25768 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2298.7	6.9
10°-20°	6439.5	19.4
20°-30°	8690.8	26.2
30°-40°	7332.1	22.1
40°-50°	4018.6	12.1
50°-60°	1859.0	5.6
60°-70°	1240.1	3.7
70°-80°	892.8	2.7
80°-90°	331.1	1.0
90°-100°	9.1	0.0
100°-110°	9.9	0.0
110°-120°	10.5	0.0
120°-130°	11.1	0.0
130°-140°	13.6	0.0
140°-150°	17.5	0.1
150°-160°	14.9	0.0
160°-170°	8.4	0.0
170°-180°	3.0	0.0
0°-30°	17429.0	52.5
0°-40°	24761.2	74.6
0°-60°	30638.8	92.3
0°-90°	33102.7	99.7
90°-120°	29.4	0.1
90°-150°	71.6	0.2
90°-180°	98.0	0.3
0°-180°	33200.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24324	
5°	24222	###
15°	23006	6440
25°	19153	8691
35°	11687	7332
45°	5008	4019
55°	1939	1859
65°	1261	1240
75°	850	893
85°	308	309
90°	8	24
95°	8	7
105°	10	10
115°	11	10
125°	12	11
135°	17	14
145°	29	18
155°	32	15
165°	30	8
175°	32	3
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	24323.5
2.5°	24267.5
5°	24222.3
7.5°	24065.2
10°	23805.6
12.5°	23481.8
15°	23005.6
17.5°	22283.0
20°	21373.5
22.5°	20366.4
25°	19153.3
27.5°	17692.6
30°	15706.9
32.5°	13648.6
35°	11686.7
37.5°	9927.2
40°	8298.7
42.5°	6694.0
45°	5008.3
47.5°	3642.8
50°	3129.7
52.5°	2569.0
55°	1939.3
57.5°	1580.9
60°	1408.3
62.5°	1325.0
65°	1260.7
67.5°	1176.2
70°	1078.6
72.5°	971.4
75°	850.0
77.5°	725.0
80°	594.0
82.5°	455.9
85°	308.3
87.5°	151.2
90°	8.3
92.5°	8.3
95°	8.3
97.5°	8.3
100°	8.3
102.5°	9.5
105°	9.5
107.5°	9.5
110°	9.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.7
115°	10.7
117.5°	10.7
120°	10.7
122.5°	11.9
125°	11.9
127.5°	13.1
130°	14.3
132.5°	15.5
135°	16.7
137.5°	20.2
140°	22.6
142.5°	25.0
145°	28.6
147.5°	31.0
150°	33.3
152.5°	33.3
155°	32.1
157.5°	31.0
160°	29.8
162.5°	28.6
165°	29.8
167.5°	29.8
170°	31.0
172.5°	31.0
175°	32.1
177.5°	33.3
180°	35.7

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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	15.47	16.71	15.84	17.03	17.35	15.47	16.71	15.84	17.03	17.35
	3H	17.33	18.43	17.71	18.77	19.14	17.33	18.43	17.71	18.77	19.14
	4H	18.05	19.08	18.46	19.43	19.83	18.05	19.08	18.46	19.43	19.83
	6H	18.57	19.51	18.99	19.89	20.29	18.57	19.51	18.99	19.89	20.29
	8H	18.73	19.62	19.16	20.02	20.43	18.73	19.62	19.16	20.02	20.43
	12H	18.81	19.66	19.25	20.05	20.49	18.81	19.66	19.25	20.05	20.49
4H	2H	15.97	16.99	16.38	17.35	17.74	15.97	16.99	16.38	17.35	17.74
	3H	18.03	18.88	18.45	19.29	19.70	18.03	18.88	18.45	19.29	19.70
	4H	18.87	19.63	19.31	20.06	20.51	18.87	19.63	19.31	20.06	20.51
	6H	19.51	20.16	19.98	20.62	21.09	19.51	20.16	19.98	20.62	21.09
	8H	19.70	20.31	20.17	20.77	21.25	19.70	20.31	20.17	20.77	21.25
	12H	19.82	20.36	20.31	20.85	21.33	19.82	20.36	20.31	20.85	21.33
8H	4H	19.10	19.72	19.58	20.17	20.65	19.10	19.72	19.58	20.17	20.65
	6H	19.85	20.35	20.36	20.85	21.34	19.85	20.35	20.36	20.85	21.34
	8H	20.10	20.55	20.63	21.08	21.58	20.10	20.55	20.63	21.08	21.58
	12H	20.29	20.68	20.81	21.18	21.76	20.29	20.68	20.81	21.18	21.76
12H	4H	19.11	19.65	19.60	20.14	20.62	19.11	19.65	19.60	20.14	20.62
	6H	19.87	20.32	20.40	20.84	21.34	19.87	20.32	20.40	20.84	21.34
	8H	20.18	20.57	20.70	21.08	21.65	20.18	20.57	20.70	21.08	21.65

END OF REPORT