

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: P1221380

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221380
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

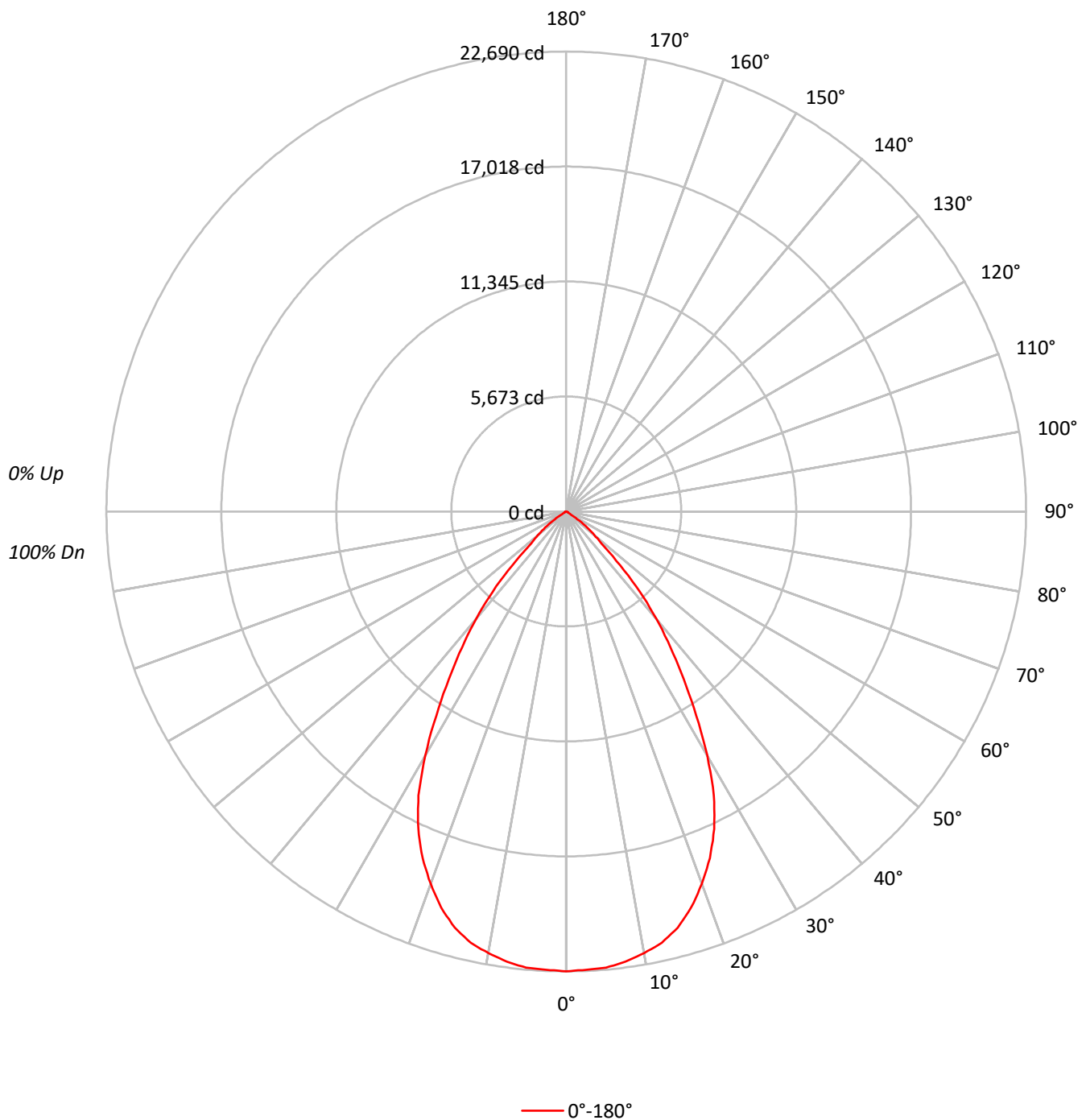
Lumens per Lamp: N/A
Luminaire Lumens: 26068.6 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 0.98
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87
3	101	94	89	84	99	93	88	84	90	86	82	88	84	81	85	82	80
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68
6	85	75	69	64	83	74	68	64	73	68	64	71	67	63	70	66	63
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54
9	72	62	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50
10	68	58	52	47	67	57	51	47	56	51	47	56	51	47	55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	130839
5°	124393
10°	117452
15°	109702
20°	98960
25°	86389
30°	69243
35°	50431
40°	34831
45°	19343
50°	9634
55°	3658
60°	607
65°	295
70°	277
75°	241
80°	192
85°	113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 19343 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2141.0	8.2
10°-20°	5942.9	22.8
20°-30°	7830.2	30.0
30°-40°	6334.2	24.3
40°-50°	3009.3	11.5
50°-60°	704.7	2.7
60°-70°	56.2	0.2
70°-80°	36.0	0.1
80°-90°	14.1	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15914.1	61.0
0°-40°	22248.3	85.3
0°-60°	25962.3	99.6
0°-90°	26068.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26068.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22690	
5°	22590	###
15°	21257	5943
25°	17282	7830
35°	10099	6334
45°	3760	3009
55°	668	705
65°	49	56
75°	34	36
85°	13	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	22690.2
2.5°	22625.9
5°	22590.2
7.5°	22409.2
10°	22128.3
12.5°	21786.6
15°	21256.9
17.5°	20496.2
20°	19560.5
22.5°	18514.0
25°	17281.9
27.5°	15786.7
30°	13911.7
32.5°	11934.4
35°	10098.7
37.5°	8440.4
40°	6898.7
42.5°	5384.5
45°	3759.5
47.5°	2338.1
50°	1822.6
52.5°	1304.7
55°	667.8
57.5°	276.2
60°	106.0
62.5°	59.5
65°	48.8
67.5°	45.2
70°	42.9
72.5°	38.1
75°	34.5
77.5°	29.8
80°	25.0
82.5°	19.0
85°	13.1
87.5°	7.1
90°	0.0

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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	4.13	5.21	4.50	5.52	5.84	4.13	5.21	4.50	5.52	5.84
	3H	4.10	5.04	4.48	5.37	5.74	4.10	5.04	4.48	5.37	5.74
	4H	4.09	4.96	4.50	5.32	5.71	4.09	4.96	4.50	5.32	5.71
	6H	4.08	4.87	4.49	5.25	5.64	4.08	4.87	4.49	5.25	5.64
	8H	4.05	4.80	4.49	5.19	5.60	4.05	4.80	4.49	5.19	5.60
	12H	4.02	4.73	4.46	5.12	5.55	4.02	4.73	4.46	5.12	5.55
4H	2H	3.91	4.78	4.31	5.13	5.52	3.91	4.78	4.31	5.13	5.52
	3H	3.92	4.62	4.34	5.03	5.44	3.92	4.62	4.34	5.03	5.44
	4H	3.94	4.56	4.38	4.99	5.44	3.94	4.56	4.38	4.99	5.44
	6H	3.97	4.50	4.44	4.95	5.43	3.97	4.50	4.44	4.95	5.43
	8H	3.95	4.45	4.43	4.90	5.38	3.95	4.45	4.43	4.90	5.38
	12H	3.93	4.36	4.42	4.85	5.33	3.93	4.36	4.42	4.85	5.33
8H	4H	3.83	4.33	4.31	4.78	5.25	3.83	4.33	4.31	4.78	5.25
	6H	3.88	4.28	4.39	4.78	5.27	3.88	4.28	4.39	4.78	5.27
	8H	3.88	4.24	4.41	4.76	5.26	3.88	4.24	4.41	4.76	5.26
	12H	3.89	4.20	4.41	4.70	5.28	3.89	4.20	4.41	4.70	5.28
12H	4H	3.78	4.21	4.27	4.70	5.18	3.78	4.21	4.27	4.70	5.18
	6H	3.83	4.19	4.36	4.71	5.20	3.83	4.19	4.36	4.71	5.20
	8H	3.86	4.17	4.38	4.67	5.25	3.86	4.17	4.38	4.67	5.25

END OF REPORT