

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: P1221372

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (4000K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221372
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-24)
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 (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

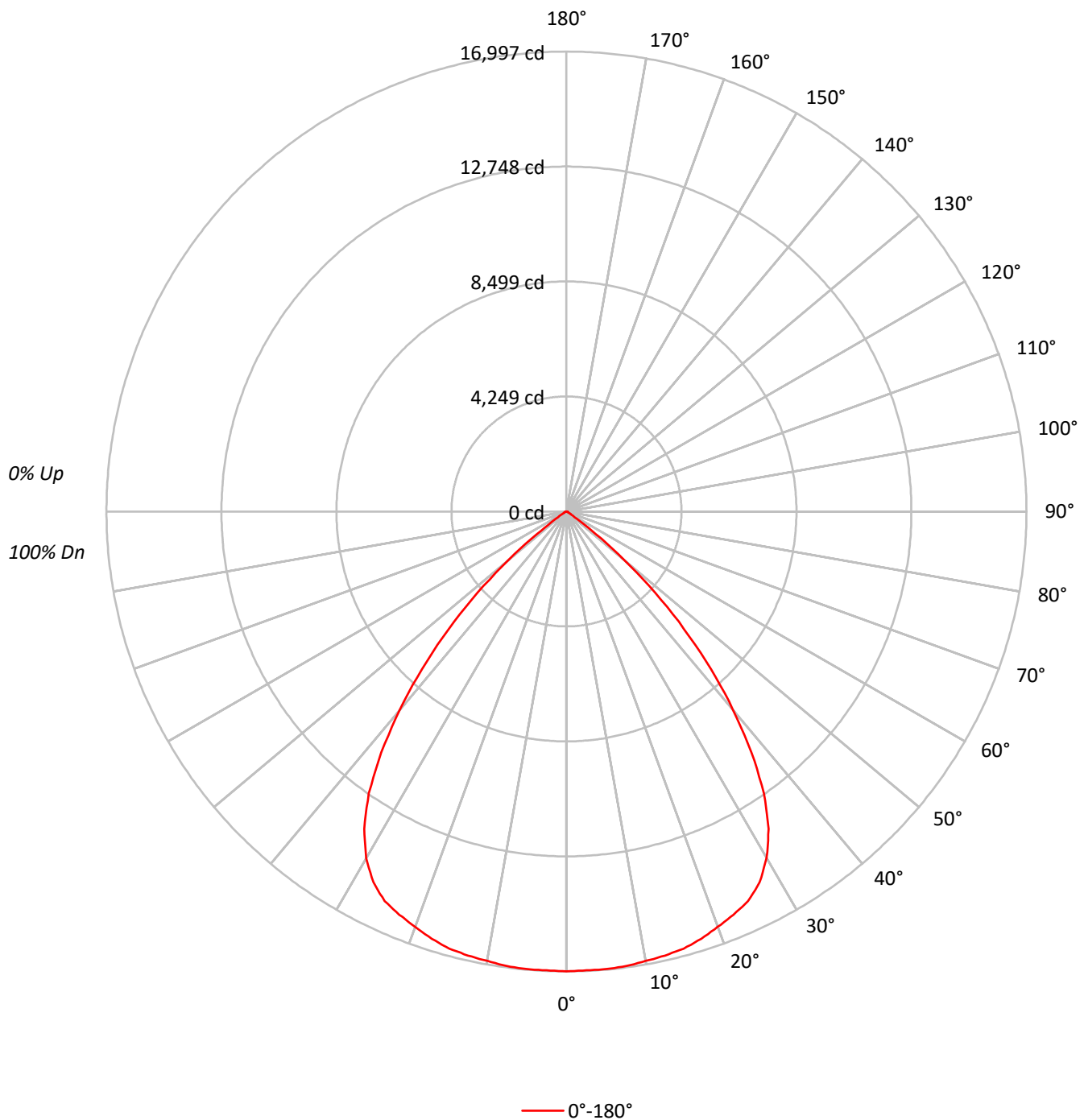
Lumens per Lamp: N/A
Luminaire Lumens: 27013.7 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.19
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	104	110	107	105	103	103	101	99	100	98	96	96	95	94
2	106	100	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85
3	100	92	86	82	97	91	85	81	88	84	80	86	82	79	83	80	77
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70
5	88	78	71	66	86	77	71	66	75	70	65	73	68	65	72	67	64
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	58
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54
8	73	62	55	50	71	61	54	50	60	54	50	59	53	49	58	53	49
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98010
5°	93496
10°	89543
15°	86316
20°	82686
25°	79423
30°	73610
35°	63546
40°	48348
45°	31649
50°	14659
55°	2650
60°	639
65°	373
70°	352
75°	332
80°	283
85°	174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31649 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1617.3	6.0
10°-20°	4719.3	17.5
20°-30°	7274.8	26.9
30°-40°	7795.2	28.9
40°-50°	4709.0	17.4
50°-60°	758.8	2.8
60°-70°	68.3	0.3
70°-80°	49.3	0.2
80°-90°	21.8	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°	13611.3	50.4
0°-40°	21406.6	79.2
0°-60°	26874.3	99.5
0°-90°	27013.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27013.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16997	
5°	16979	###
15°	16725	4719
25°	15888	7275
35°	12725	7795
45°	6151	4709
55°	484	759
65°	62	68
75°	47	49
85°	20	22
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16997.0
2.5°	16974.4
5°	16979.2
7.5°	16946.0
10°	16870.1
12.5°	16809.6
15°	16725.4
17.5°	16557.1
20°	16343.7
22.5°	16130.2
25°	15888.3
27.5°	15454.4
30°	14789.2
32.5°	13904.7
35°	12724.9
37.5°	11233.3
40°	9575.7
42.5°	7909.8
45°	6151.4
47.5°	4459.4
50°	2773.3
52.5°	1363.6
55°	483.8
57.5°	190.9
60°	111.5
62.5°	74.7
65°	61.7
67.5°	56.9
70°	54.5
72.5°	51.0
75°	47.4
77.5°	42.7
80°	36.8
82.5°	28.5
85°	20.2
87.5°	13.0
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	1.46	2.61	1.82	2.92	3.24	1.46	2.61	1.82	2.92	3.24
	3H	1.74	2.75	2.12	3.08	3.45	1.74	2.75	2.12	3.08	3.45
	4H	1.95	2.88	2.36	3.24	3.62	1.95	2.88	2.36	3.24	3.62
	6H	2.16	3.01	2.57	3.38	3.78	2.16	3.01	2.57	3.38	3.78
	8H	2.22	3.02	2.65	3.42	3.82	2.22	3.02	2.65	3.42	3.82
	12H	2.25	3.02	2.68	3.40	3.83	2.25	3.02	2.68	3.40	3.83
4H	2H	1.35	2.29	1.76	2.64	3.02	1.35	2.29	1.76	2.64	3.02
	3H	1.79	2.54	2.21	2.95	3.36	1.79	2.54	2.21	2.95	3.36
	4H	2.11	2.77	2.54	3.20	3.64	2.11	2.77	2.54	3.20	3.64
	6H	2.44	3.02	2.91	3.46	3.94	2.44	3.02	2.91	3.46	3.94
	8H	2.55	3.08	3.02	3.53	4.00	2.55	3.08	3.02	3.53	4.00
	12H	2.61	3.08	3.10	3.56	4.04	2.61	3.08	3.10	3.56	4.04
8H	4H	2.14	2.67	2.61	3.12	3.60	2.14	2.67	2.61	3.12	3.60
	6H	2.56	3.00	3.07	3.50	3.98	2.56	3.00	3.07	3.50	3.98
	8H	2.72	3.11	3.25	3.63	4.13	2.72	3.11	3.25	3.63	4.13
	12H	2.84	3.19	3.36	3.69	4.26	2.84	3.19	3.36	3.69	4.26
12H	4H	2.11	2.58	2.60	3.07	3.54	2.11	2.58	2.60	3.07	3.54
	6H	2.55	2.94	3.08	3.46	3.96	2.55	2.94	3.08	3.46	3.96
	8H	2.75	3.10	3.27	3.60	4.17	2.75	3.10	3.27	3.60	4.17

END OF REPORT