

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: P1221352

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221352
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-23)
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 (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

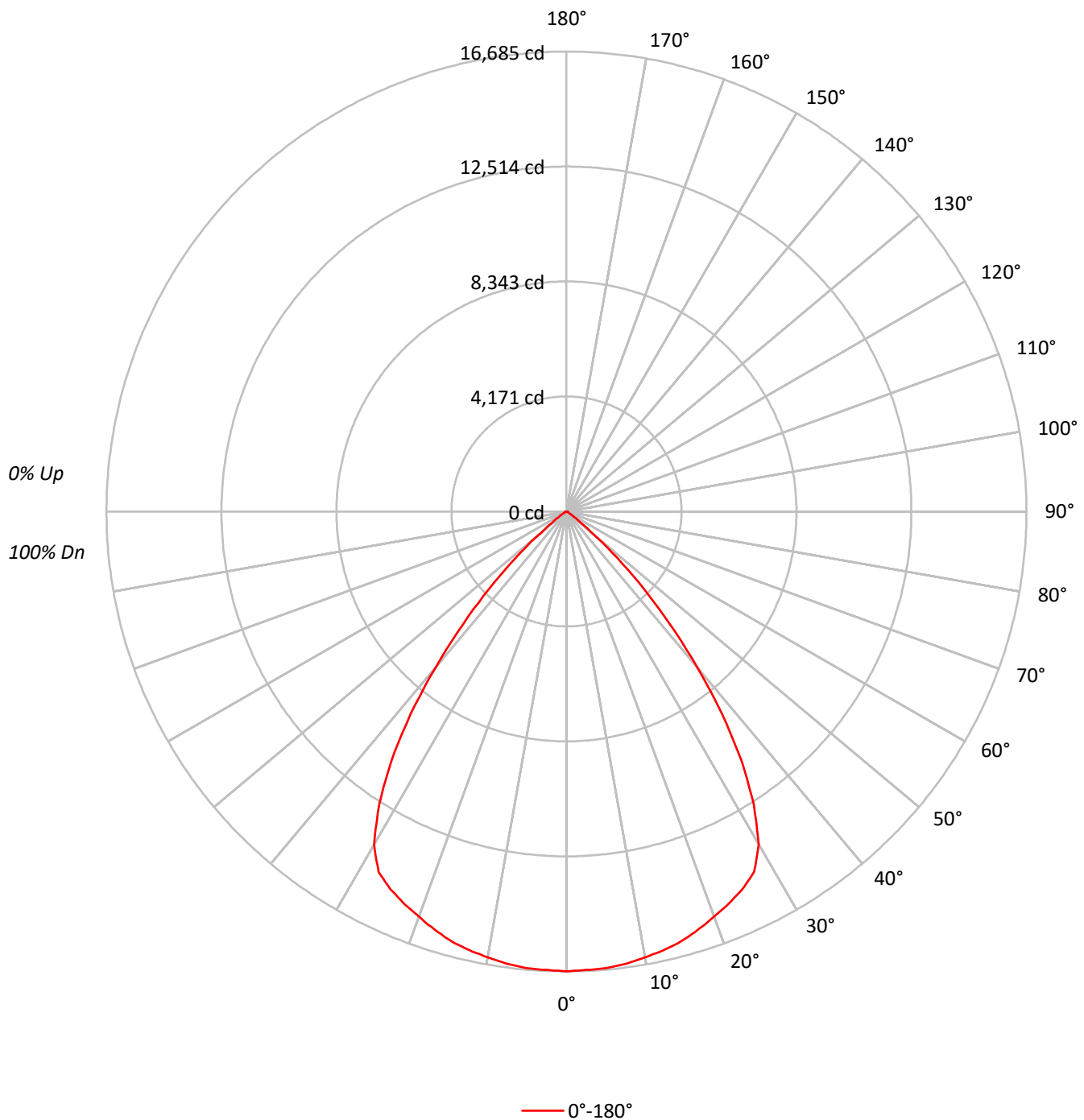
Lumens per Lamp: N/A
Luminaire Lumens: 23411.9 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	113	110	107	105	110	108	105	103	104	102	100		100	98	97		92
2	107	101	97	93	104	100	95	92	96	93	90		93	90	88		84
3	100	93	88	83	98	92	87	83	89	85	81		87	83	80		77
4	95	86	80	75	93	85	79	75	83	78	74		81	76	73		71
5	89	80	73	68	87	79	73	68	77	72	67		75	70	67		65
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		59
7	79	69	62	57	77	68	62	57	67	61	57		65	60	56		54
8	74	64	57	53	73	63	57	52	62	56	52		61	56	52		50
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96210
5°	91572
10°	87179
15°	83291
20°	79159
25°	75540
30°	69431
35°	55375
40°	37287
45°	20334
50°	6415
55°	1789
60°	461
65°	301
70°	287
75°	267
80°	211
85°	127

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20334 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1580.8	6.8
10°-20°	4551.2	19.4
20°-30°	6928.1	29.6
30°-40°	6780.9	29.0
40°-50°	3092.6	13.2
50°-60°	369.6	1.6
60°-70°	53.6	0.2
70°-80°	39.4	0.2
80°-90°	15.5	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°	13060.2	55.8
0°-40°	19841.1	84.7
0°-60°	23303.4	99.5
0°-90°	23411.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23411.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16685	
5°	16630	###
15°	16139	4551
25°	15112	6928
35°	11089	6781
45°	3952	3093
55°	327	370
65°	50	54
75°	38	39
85°	15	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16684.8
2.5°	16648.8
5°	16629.8
7.5°	16553.7
10°	16424.7
12.5°	16299.9
15°	16139.2
17.5°	15906.6
20°	15646.6
22.5°	15396.0
25°	15111.6
27.5°	14745.8
30°	13949.6
32.5°	12651.3
35°	11088.7
37.5°	9286.0
40°	7385.0
42.5°	5552.8
45°	3952.1
47.5°	2504.7
50°	1213.7
52.5°	553.0
55°	326.7
57.5°	159.6
60°	80.4
62.5°	57.1
65°	49.7
67.5°	47.6
70°	44.4
72.5°	41.2
75°	38.1
77.5°	33.8
80°	27.5
82.5°	21.1
85°	14.8
87.5°	7.4
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	0.76	1.84	1.12	2.15	2.46	0.76	1.84	1.12	2.15	2.46
	3H	1.02	1.97	1.41	2.30	2.67	1.02	1.97	1.41	2.30	2.67
	4H	1.21	2.08	1.61	2.44	2.82	1.21	2.08	1.61	2.44	2.82
	6H	1.37	2.17	1.79	2.55	2.94	1.37	2.17	1.79	2.55	2.94
	8H	1.41	2.16	1.85	2.56	2.97	1.41	2.16	1.85	2.56	2.97
	12H	1.42	2.14	1.85	2.52	2.95	1.42	2.14	1.85	2.52	2.95
4H	2H	0.62	1.49	1.03	1.85	2.24	0.62	1.49	1.03	1.85	2.24
	3H	1.03	1.74	1.45	2.15	2.55	1.03	1.74	1.45	2.15	2.55
	4H	1.32	1.95	1.76	2.37	2.82	1.32	1.95	1.76	2.37	2.82
	6H	1.60	2.14	2.07	2.59	3.06	1.60	2.14	2.07	2.59	3.06
	8H	1.67	2.17	2.15	2.62	3.10	1.67	2.17	2.15	2.62	3.10
	12H	1.71	2.14	2.20	2.63	3.11	1.71	2.14	2.20	2.63	3.11
8H	4H	1.33	1.83	1.80	2.28	2.75	1.33	1.83	1.80	2.28	2.75
	6H	1.68	2.09	2.19	2.59	3.07	1.68	2.09	2.19	2.59	3.07
	8H	1.80	2.16	2.33	2.69	3.18	1.80	2.16	2.33	2.69	3.18
	12H	1.89	2.21	2.41	2.71	3.29	1.89	2.21	2.41	2.71	3.29
12H	4H	1.30	1.73	1.79	2.22	2.70	1.30	1.73	1.79	2.22	2.70
	6H	1.66	2.03	2.19	2.55	3.04	1.66	2.03	2.19	2.55	3.04
	8H	1.82	2.14	2.34	2.64	3.21	1.82	2.14	2.34	2.64	3.21

END OF REPORT