

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: P1221379

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (5000K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221379
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 (5000K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

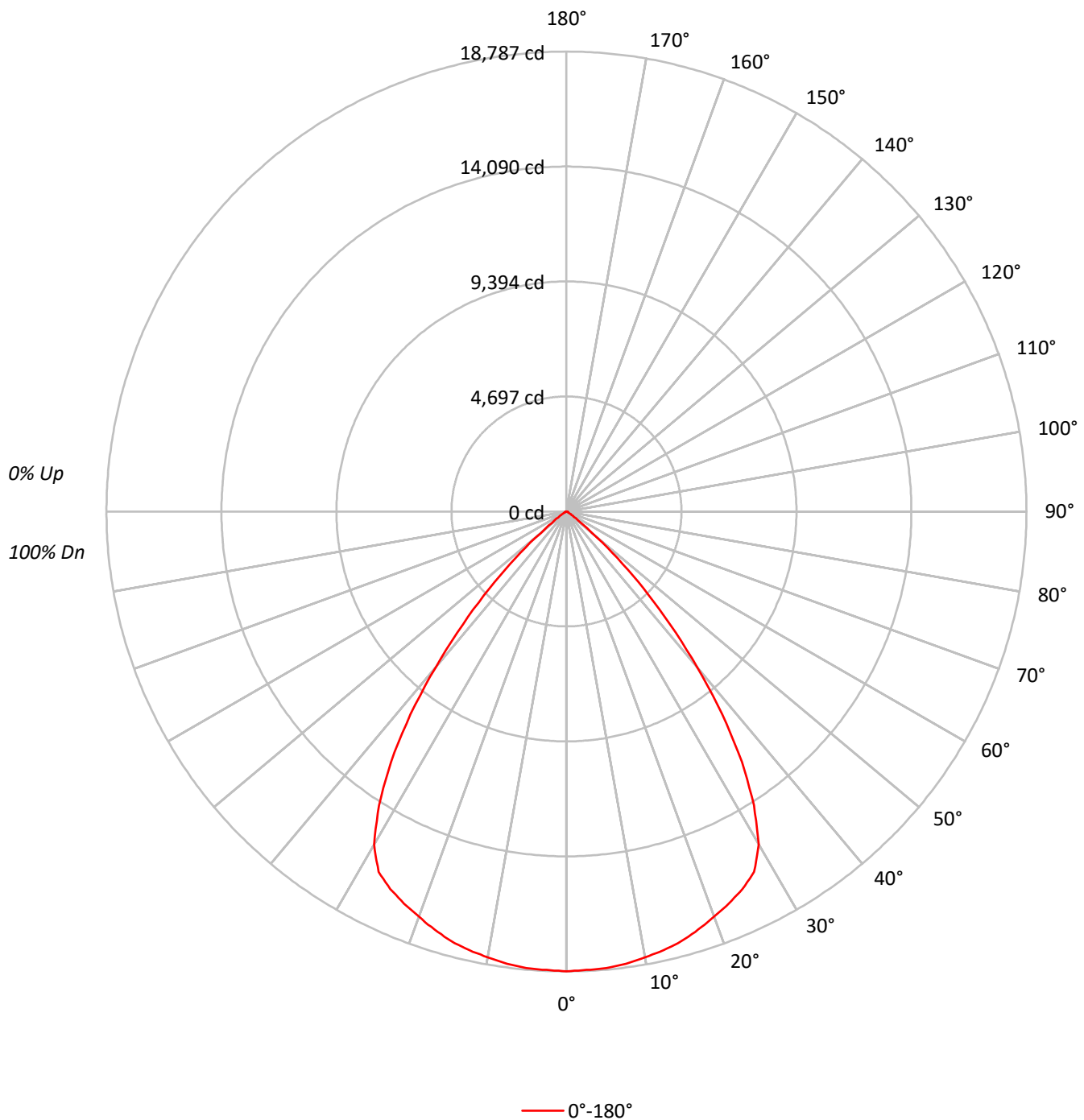
Lumens per Lamp: N/A
Luminaire Lumens: 26361.2 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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		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°	108330
5°	103108
10°	98161
15°	93784
20°	89131
25°	85056
30°	78178
35°	62350
40°	41984
45°	22895
50°	7223
55°	2015
60°	518
65°	339
70°	323
75°	300
80°	238
85°	144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1779.9	6.8
10°-20°	5124.6	19.4
20°-30°	7800.9	29.6
30°-40°	7635.1	29.0
40°-50°	3482.2	13.2
50°-60°	416.2	1.6
60°-70°	60.4	0.2
70°-80°	44.3	0.2
80°-90°	17.5	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°	14705.4	55.8
0°-40°	22340.5	84.7
0°-60°	26239.0	99.5
0°-90°	26361.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26361.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18787	
5°	18725	###
15°	18172	5125
25°	17015	7801
35°	12486	7635
45°	4450	3482
55°	368	416
65°	56	60
75°	43	44
85°	17	17
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18786.7
2.5°	18746.2
5°	18724.7
7.5°	18639.0
10°	18493.8
12.5°	18353.3
15°	18172.4
17.5°	17910.5
20°	17617.6
22.5°	17335.5
25°	17015.2
27.5°	16603.3
30°	15706.9
32.5°	14245.0
35°	12485.5
37.5°	10455.8
40°	8315.4
42.5°	6252.3
45°	4449.9
47.5°	2820.2
50°	1366.6
52.5°	622.6
55°	367.9
57.5°	179.8
60°	90.5
62.5°	64.3
65°	56.0
67.5°	53.6
70°	50.0
72.5°	46.4
75°	42.9
77.5°	38.1
80°	31.0
82.5°	23.8
85°	16.7
87.5°	8.3
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	1.17	2.25	1.54	2.56	2.88	1.17	2.25	1.54	2.56	2.88
	3H	1.44	2.39	1.82	2.72	3.09	1.44	2.39	1.82	2.72	3.09
	4H	1.62	2.50	2.03	2.85	3.24	1.62	2.50	2.03	2.85	3.24
	6H	1.79	2.59	2.21	2.96	3.36	1.79	2.59	2.21	2.96	3.36
	8H	1.83	2.58	2.26	2.97	3.38	1.83	2.58	2.26	2.97	3.38
	12H	1.84	2.55	2.27	2.94	3.37	1.84	2.55	2.27	2.94	3.37
4H	2H	1.03	1.91	1.44	2.26	2.65	1.03	1.91	1.44	2.26	2.65
	3H	1.45	2.16	1.86	2.56	2.97	1.45	2.16	1.86	2.56	2.97
	4H	1.73	2.36	2.17	2.79	3.23	1.73	2.36	2.17	2.79	3.23
	6H	2.01	2.55	2.48	3.00	3.47	2.01	2.55	2.48	3.00	3.47
	8H	2.09	2.59	2.56	3.04	3.51	2.09	2.59	2.56	3.04	3.51
	12H	2.12	2.56	2.62	3.05	3.52	2.12	2.56	2.62	3.05	3.52
8H	4H	1.74	2.25	2.22	2.70	3.17	1.74	2.25	2.22	2.70	3.17
	6H	2.10	2.50	2.61	3.00	3.49	2.10	2.50	2.61	3.00	3.49
	8H	2.22	2.58	2.75	3.10	3.60	2.22	2.58	2.75	3.10	3.60
	12H	2.31	2.63	2.83	3.12	3.70	2.31	2.63	2.83	3.12	3.70
12H	4H	1.71	2.15	2.20	2.64	3.11	1.71	2.15	2.20	2.64	3.11
	6H	2.08	2.44	2.61	2.96	3.46	2.08	2.44	2.61	2.96	3.46
	8H	2.24	2.55	2.76	3.05	3.63	2.24	2.55	2.76	3.05	3.63

END OF REPORT