

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: P1221381

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (5000K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221381
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 (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

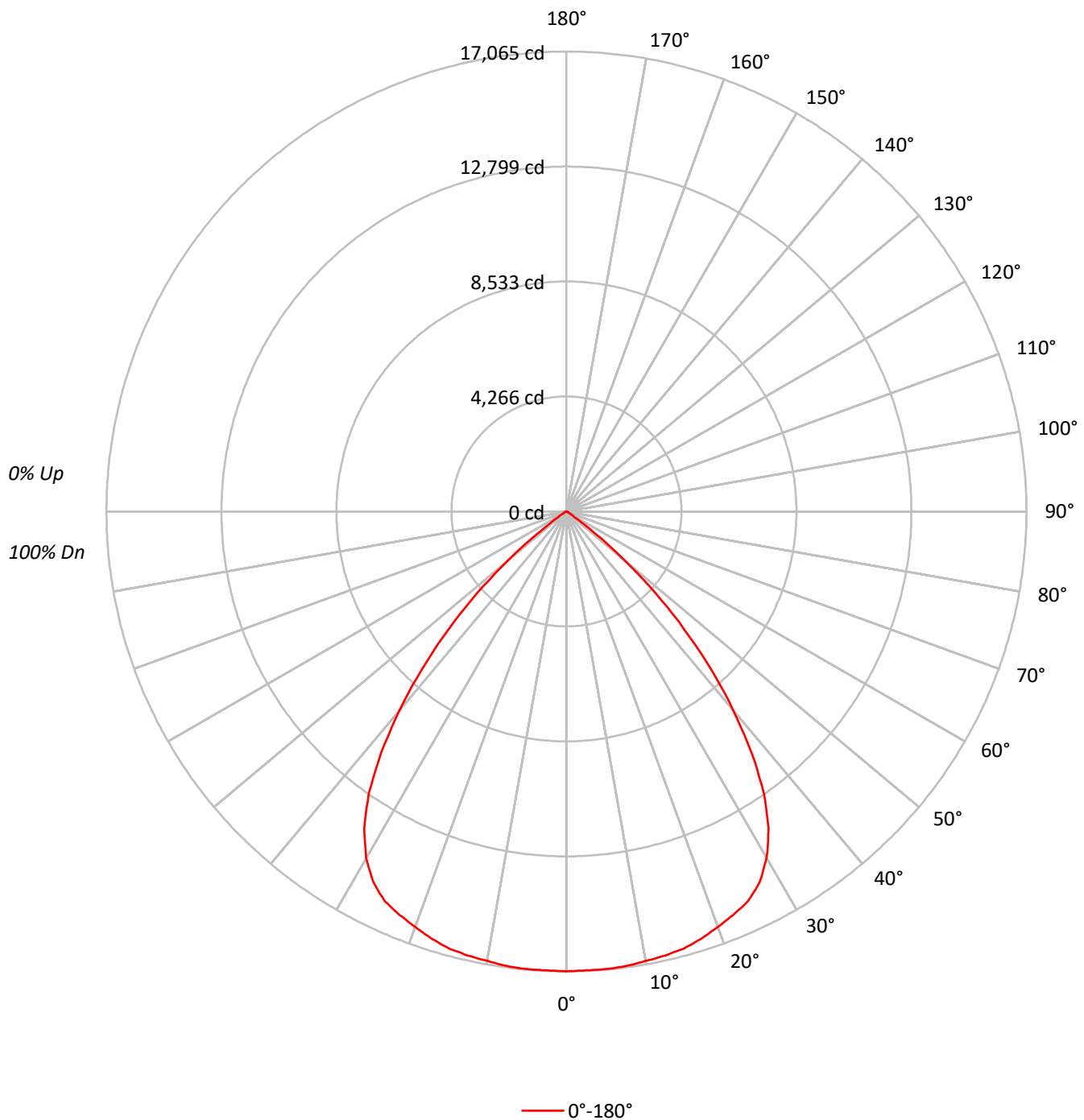
Lumens per Lamp: N/A
Luminaire Lumens: 27122.2 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.19
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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°	98404
5°	93872
10°	89903
15°	86663
20°	83018
25°	79742
30°	73906
35°	63801
40°	48542
45°	31776
50°	14718
55°	2660
60°	641
65°	375
70°	354
75°	333
80°	284
85°	174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 31776 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1623.8	6.0
10°-20°	4738.2	17.5
20°-30°	7304.0	26.9
30°-40°	7826.5	28.9
40°-50°	4727.9	17.4
50°-60°	761.8	2.8
60°-70°	68.5	0.3
70°-80°	49.5	0.2
80°-90°	21.9	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°	13666.0	50.4
0°-40°	21492.6	79.2
0°-60°	26982.2	99.5
0°-90°	27122.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27122.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17065	
5°	17047	###
15°	16793	4738
25°	15952	7304
35°	12776	7827
45°	6176	4728
55°	486	762
65°	62	69
75°	48	50
85°	20	22
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17065.2
2.5°	17042.6
5°	17047.4
7.5°	17014.1
10°	16937.9
12.5°	16877.2
15°	16792.6
17.5°	16623.6
20°	16409.3
22.5°	16195.0
25°	15952.2
27.5°	15516.5
30°	14848.6
32.5°	13960.5
35°	12776.0
37.5°	11278.4
40°	9614.2
42.5°	7941.6
45°	6176.1
47.5°	4477.3
50°	2784.5
52.5°	1369.0
55°	485.7
57.5°	191.7
60°	111.9
62.5°	75.0
65°	61.9
67.5°	57.1
70°	54.8
72.5°	51.2
75°	47.6
77.5°	42.9
80°	36.9
82.5°	28.6
85°	20.2
87.5°	13.1
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	1.47	2.63	1.84	2.94	3.25	1.47	2.63	1.84	2.94	3.25
	3H	1.76	2.77	2.14	3.10	3.47	1.76	2.77	2.14	3.10	3.47
	4H	1.97	2.90	2.37	3.25	3.64	1.97	2.90	2.37	3.25	3.64
	6H	2.17	3.02	2.59	3.40	3.79	2.17	3.02	2.59	3.40	3.79
	8H	2.24	3.04	2.67	3.43	3.84	2.24	3.04	2.67	3.43	3.84
	12H	2.26	3.03	2.70	3.41	3.84	2.26	3.03	2.70	3.41	3.84
4H	2H	1.37	2.30	1.77	2.65	3.04	1.37	2.30	1.77	2.65	3.04
	3H	1.81	2.56	2.22	2.97	3.37	1.81	2.56	2.22	2.97	3.37
	4H	2.12	2.79	2.56	3.21	3.66	2.12	2.79	2.56	3.21	3.66
	6H	2.46	3.03	2.93	3.48	3.95	2.46	3.03	2.93	3.48	3.95
	8H	2.56	3.10	3.04	3.55	4.02	2.56	3.10	3.04	3.55	4.02
	12H	2.63	3.09	3.11	3.58	4.05	2.63	3.09	3.11	3.58	4.05
8H	4H	2.15	2.69	2.63	3.14	3.61	2.15	2.69	2.63	3.14	3.61
	6H	2.58	3.01	3.09	3.51	4.00	2.58	3.01	3.09	3.51	4.00
	8H	2.74	3.13	3.26	3.65	4.14	2.74	3.13	3.26	3.65	4.14
	12H	2.86	3.20	3.38	3.70	4.28	2.86	3.20	3.38	3.70	4.28
12H	4H	2.13	2.60	2.62	3.08	3.56	2.13	2.60	2.62	3.08	3.56
	6H	2.57	2.96	3.10	3.48	3.97	2.57	2.96	3.10	3.48	3.97
	8H	2.77	3.11	3.29	3.61	4.19	2.77	3.11	3.29	3.61	4.19

END OF REPORT