

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: P1221363

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221363
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 (3500K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

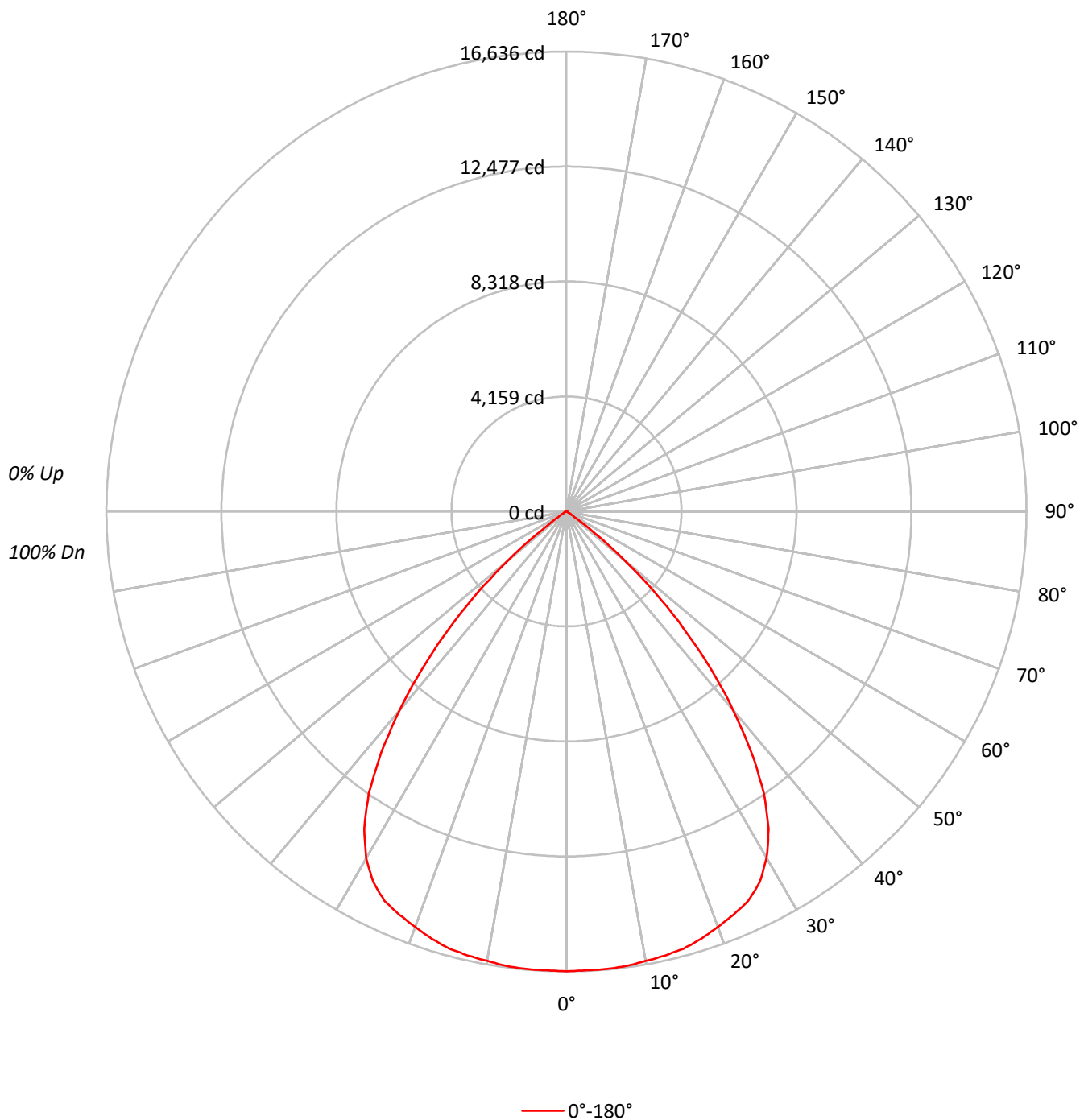
Lumens per Lamp: N/A
Luminaire Lumens: 26440.7 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.19
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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°	95931
5°	91513
10°	87644
15°	84486
20°	80932
25°	77738
30°	72049
35°	62198
40°	47322
45°	30977
50°	14348
55°	2593
60°	625
65°	365
70°	345
75°	325
80°	277
85°	170

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30977 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1583.0	6.0
10°-20°	4619.2	17.5
20°-30°	7120.5	26.9
30°-40°	7629.9	28.9
40°-50°	4609.1	17.4
50°-60°	742.6	2.8
60°-70°	66.8	0.3
70°-80°	48.3	0.2
80°-90°	21.3	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°	13322.7	50.4
0°-40°	20952.6	79.2
0°-60°	26304.3	99.5
0°-90°	26440.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26440.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16636	
5°	16619	###
15°	16371	4619
25°	15551	7120
35°	12455	7630
45°	6021	4609
55°	474	743
65°	60	67
75°	46	48
85°	20	21
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16636.5
2.5°	16614.5
5°	16619.1
7.5°	16586.6
10°	16512.3
12.5°	16453.2
15°	16370.8
17.5°	16206.0
20°	15997.1
22.5°	15788.2
25°	15551.4
27.5°	15126.6
30°	14475.6
32.5°	13609.8
35°	12455.1
37.5°	10995.1
40°	9372.6
42.5°	7742.0
45°	6020.9
47.5°	4364.8
50°	2714.5
52.5°	1334.6
55°	473.5
57.5°	186.8
60°	109.1
62.5°	73.1
65°	60.3
67.5°	55.7
70°	53.4
72.5°	49.9
75°	46.4
77.5°	41.8
80°	36.0
82.5°	27.9
85°	19.7
87.5°	12.8
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	1.38	2.53	1.75	2.85	3.16	1.38	2.53	1.75	2.85	3.16
	3H	1.67	2.68	2.05	3.01	3.38	1.67	2.68	2.05	3.01	3.38
	4H	1.87	2.81	2.28	3.16	3.55	1.87	2.81	2.28	3.16	3.55
	6H	2.08	2.93	2.50	3.31	3.70	2.08	2.93	2.50	3.31	3.70
	8H	2.14	2.95	2.58	3.34	3.75	2.14	2.95	2.58	3.34	3.75
	12H	2.17	2.94	2.61	3.32	3.75	2.17	2.94	2.61	3.32	3.75
4H	2H	1.27	2.21	1.68	2.56	2.95	1.27	2.21	1.68	2.56	2.95
	3H	1.72	2.47	2.13	2.88	3.28	1.72	2.47	2.13	2.88	3.28
	4H	2.03	2.70	2.47	3.12	3.57	2.03	2.70	2.47	3.12	3.57
	6H	2.37	2.94	2.84	3.39	3.86	2.37	2.94	2.84	3.39	3.86
	8H	2.47	3.01	2.95	3.46	3.93	2.47	3.01	2.95	3.46	3.93
	12H	2.54	3.00	3.02	3.49	3.96	2.54	3.00	3.02	3.49	3.96
8H	4H	2.06	2.60	2.54	3.05	3.52	2.06	2.60	2.54	3.05	3.52
	6H	2.49	2.92	2.99	3.42	3.91	2.49	2.92	2.99	3.42	3.91
	8H	2.65	3.04	3.17	3.56	4.05	2.65	3.04	3.17	3.56	4.05
	12H	2.77	3.11	3.29	3.61	4.19	2.77	3.11	3.29	3.61	4.19
12H	4H	2.04	2.51	2.53	2.99	3.47	2.04	2.51	2.53	2.99	3.47
	6H	2.48	2.87	3.01	3.39	3.88	2.48	2.87	3.01	3.39	3.88
	8H	2.68	3.02	3.20	3.52	4.10	2.68	3.02	3.20	3.52	4.10

END OF REPORT