

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: P1221357

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221357
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_L24_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

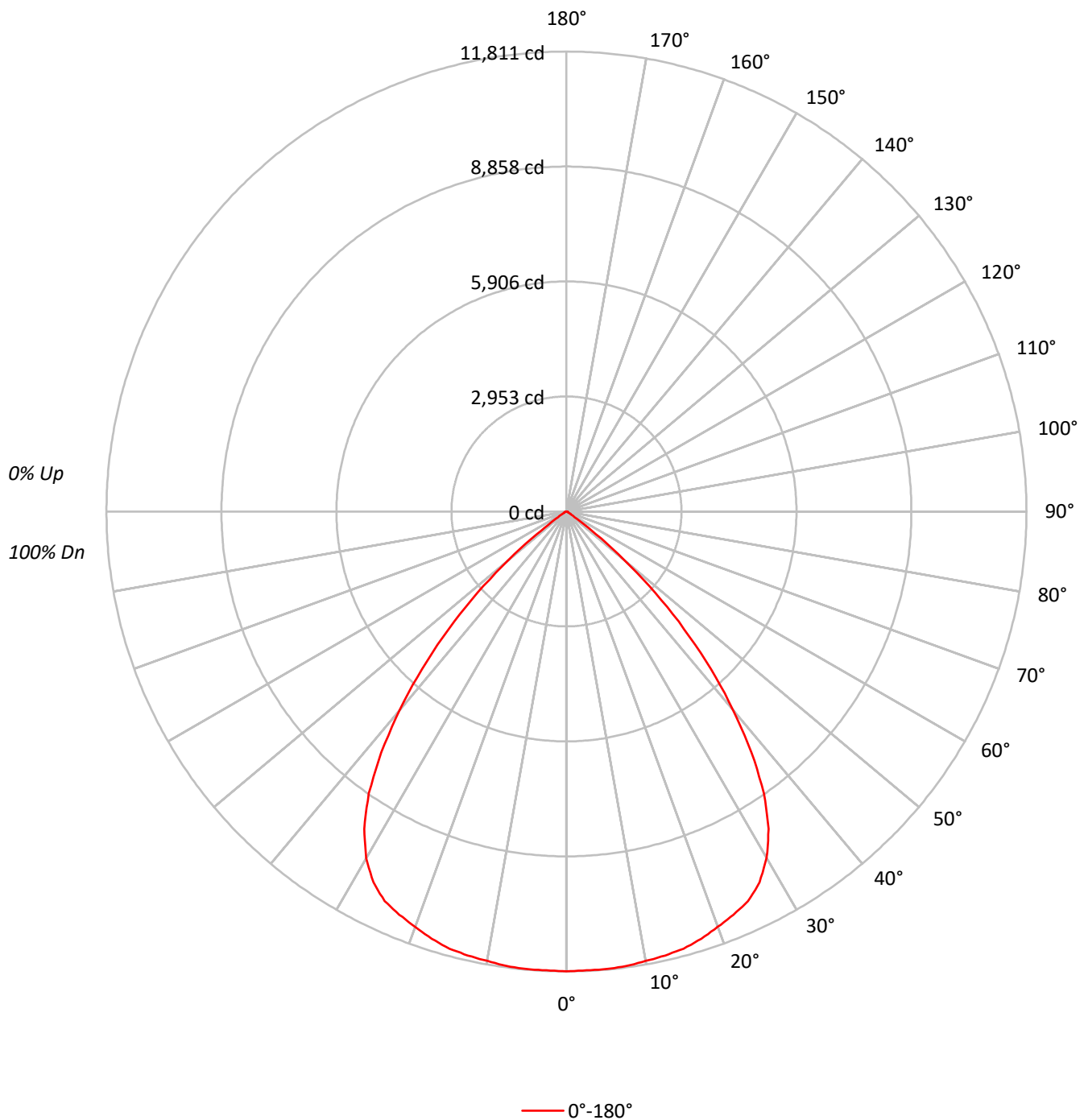
Lumens per Lamp: N/A
Luminaire Lumens: 18771.1 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.19
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 154.6
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°	68105
5°	64969
10°	62221
15°	59979
20°	57456
25°	55189
30°	51150
35°	44156
40°	33595
45°	21992
50°	10186
55°	1841
60°	443
65°	259
70°	245
75°	231
80°	196
85°	121

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 21992 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1123.8	6.0
10°-20°	3279.3	17.5
20°-30°	5055.1	26.9
30°-40°	5416.7	28.9
40°-50°	3272.1	17.4
50°-60°	527.2	2.8
60°-70°	47.4	0.3
70°-80°	34.3	0.2
80°-90°	15.1	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°	9458.2	50.4
0°-40°	14874.9	79.2
0°-60°	18674.3	99.5
0°-90°	18771.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18771.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11811	
5°	11798	###
15°	11622	3279
25°	11040	5055
35°	8842	5417
45°	4274	3272
55°	336	527
65°	43	47
75°	33	34
85°	14	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11810.8
2.5°	11795.2
5°	11798.5
7.5°	11775.4
10°	11722.7
12.5°	11680.6
15°	11622.1
17.5°	11505.1
20°	11356.8
22.5°	11208.5
25°	11040.5
27.5°	10738.9
30°	10276.7
32.5°	9662.0
35°	8842.2
37.5°	7805.8
40°	6653.9
42.5°	5496.3
45°	4274.5
47.5°	3098.7
50°	1927.1
52.5°	947.5
55°	336.2
57.5°	132.7
60°	77.4
62.5°	51.9
65°	42.8
67.5°	39.5
70°	37.9
72.5°	35.4
75°	33.0
77.5°	29.7
80°	25.5
82.5°	19.8
85°	14.0
87.5°	9.1
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	0.19	1.35	0.56	1.66	1.98	0.19	1.35	0.56	1.66	1.98
	3H	0.48	1.49	0.86	1.82	2.19	0.48	1.49	0.86	1.82	2.19
	4H	0.69	1.62	1.09	1.97	2.36	0.69	1.62	1.09	1.97	2.36
	6H	0.89	1.75	1.31	2.12	2.52	0.89	1.75	1.31	2.12	2.52
	8H	0.96	1.76	1.39	2.15	2.56	0.96	1.76	1.39	2.15	2.56
	12H	0.98	1.75	1.42	2.14	2.57	0.98	1.75	1.42	2.14	2.57
4H	2H	0.09	1.02	0.49	1.37	1.76	0.09	1.02	0.49	1.37	1.76
	3H	0.53	1.28	0.94	1.69	2.09	0.53	1.28	0.94	1.69	2.09
	4H	0.84	1.51	1.28	1.93	2.38	0.84	1.51	1.28	1.93	2.38
	6H	1.18	1.75	1.65	2.20	2.67	1.18	1.75	1.65	2.20	2.67
	8H	1.28	1.82	1.76	2.27	2.74	1.28	1.82	1.76	2.27	2.74
	12H	1.35	1.81	1.84	2.30	2.78	1.35	1.81	1.84	2.30	2.78
8H	4H	0.88	1.41	1.35	1.86	2.33	0.88	1.41	1.35	1.86	2.33
	6H	1.30	1.73	1.81	2.23	2.72	1.30	1.73	1.81	2.23	2.72
	8H	1.46	1.85	1.99	2.37	2.86	1.46	1.85	1.99	2.37	2.86
	12H	1.58	1.92	2.10	2.42	3.00	1.58	1.92	2.10	2.42	3.00
12H	4H	0.85	1.32	1.34	1.80	2.28	0.85	1.32	1.34	1.80	2.28
	6H	1.29	1.68	1.82	2.20	2.69	1.29	1.68	1.82	2.20	2.69
	8H	1.49	1.83	2.01	2.33	2.91	1.49	1.83	2.01	2.33	2.91

END OF REPORT