

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: P1221375

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (5000K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221375
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_L24_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

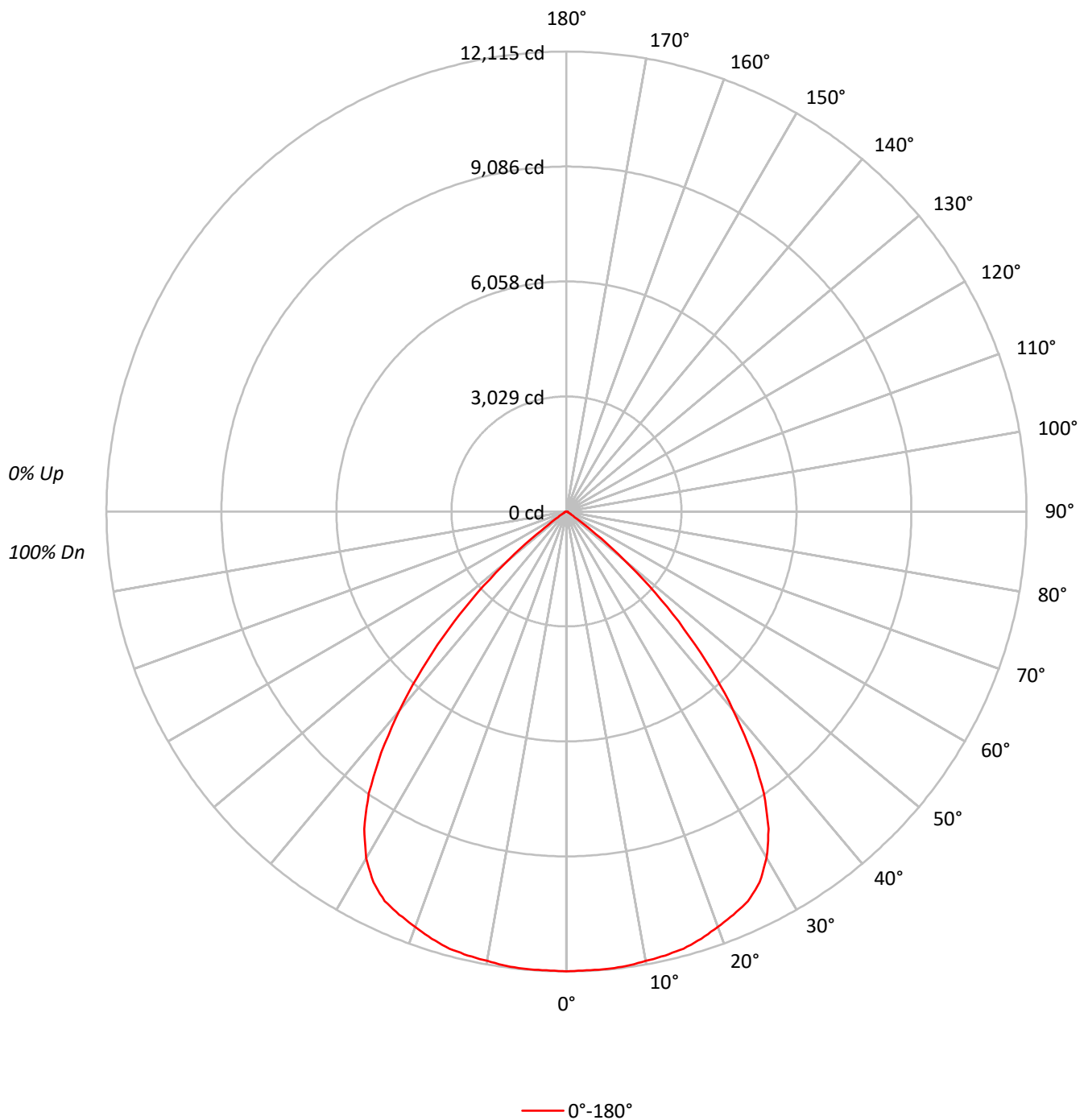
Lumens per Lamp: N/A
Luminaire Lumens: 19254.8 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.19
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	104	110	107	105	103	103	101	99	100	98	96	96	95	94	92		
2	106	100	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83		
3	100	92	86	82	97	91	85	81	88	84	80	86	82	79	83	80	77	76		
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	71	66	86	77	71	66	75	70	65	73	68	65	72	67	64	62		
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	58	57		
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	52		
8	73	62	55	50	71	61	54	50	60	54	50	59	53	49	58	53	49	48		
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44		
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69860
5°	66643
10°	63824
15°	61525
20°	58937
25°	56612
30°	52468
35°	45294
40°	34461
45°	22559
50°	10449
55°	1889
60°	455
65°	266
70°	252
75°	237
80°	202
85°	124

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22559 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1152.8	6.0
10°-20°	3363.8	17.5
20°-30°	5185.3	26.9
30°-40°	5556.3	28.9
40°-50°	3356.5	17.4
50°-60°	540.8	2.8
60°-70°	48.6	0.3
70°-80°	35.1	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°	9701.9	50.4
0°-40°	15258.2	79.2
0°-60°	19155.5	99.5
0°-90°	19254.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19254.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12115	
5°	12102	###
15°	11922	3364
25°	11325	5185
35°	9070	5556
45°	4385	3356
55°	345	541
65°	44	49
75°	34	35
85°	14	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12115.2
2.5°	12099.1
5°	12102.5
7.5°	12078.8
10°	12024.7
12.5°	11981.6
15°	11921.6
17.5°	11801.6
20°	11649.5
22.5°	11497.4
25°	11325.0
27.5°	11015.6
30°	10541.5
32.5°	9911.0
35°	9070.1
37.5°	8006.9
40°	6825.4
42.5°	5638.0
45°	4384.6
47.5°	3178.6
50°	1976.8
52.5°	971.9
55°	344.8
57.5°	136.1
60°	79.4
62.5°	53.2
65°	43.9
67.5°	40.6
70°	38.9
72.5°	36.3
75°	33.8
77.5°	30.4
80°	26.2
82.5°	20.3
85°	14.4
87.5°	9.3
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	0.28	1.44	0.65	1.75	2.06	0.28	1.44	0.65	1.75	2.06
	3H	0.57	1.58	0.95	1.91	2.28	0.57	1.58	0.95	1.91	2.28
	4H	0.78	1.71	1.18	2.06	2.45	0.78	1.71	1.18	2.06	2.45
	6H	0.98	1.83	1.40	2.21	2.60	0.98	1.83	1.40	2.21	2.60
	8H	1.04	1.85	1.48	2.24	2.65	1.04	1.85	1.48	2.24	2.65
	12H	1.07	1.84	1.51	2.22	2.65	1.07	1.84	1.51	2.22	2.65
4H	2H	0.18	1.11	0.58	1.46	1.85	0.18	1.11	0.58	1.46	1.85
	3H	0.62	1.37	1.03	1.78	2.18	0.62	1.37	1.03	1.78	2.18
	4H	0.93	1.60	1.37	2.02	2.47	0.93	1.60	1.37	2.02	2.47
	6H	1.27	1.84	1.74	2.29	2.76	1.27	1.84	1.74	2.29	2.76
	8H	1.37	1.91	1.85	2.35	2.83	1.37	1.91	1.85	2.35	2.83
	12H	1.43	1.90	1.92	2.39	2.86	1.43	1.90	1.92	2.39	2.86
8H	4H	0.96	1.50	1.44	1.95	2.42	0.96	1.50	1.44	1.95	2.42
	6H	1.39	1.82	1.89	2.32	2.80	1.39	1.82	1.89	2.32	2.80
	8H	1.55	1.94	2.07	2.45	2.95	1.55	1.94	2.07	2.45	2.95
	12H	1.67	2.01	2.19	2.51	3.08	1.67	2.01	2.19	2.51	3.08
12H	4H	0.94	1.41	1.43	1.89	2.37	0.94	1.41	1.43	1.89	2.37
	6H	1.38	1.77	1.91	2.29	2.78	1.38	1.77	1.91	2.29	2.78
	8H	1.58	1.92	2.10	2.42	3.00	1.58	1.92	2.10	2.42	3.00

END OF REPORT