

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: P1221378

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (5000K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221378
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_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

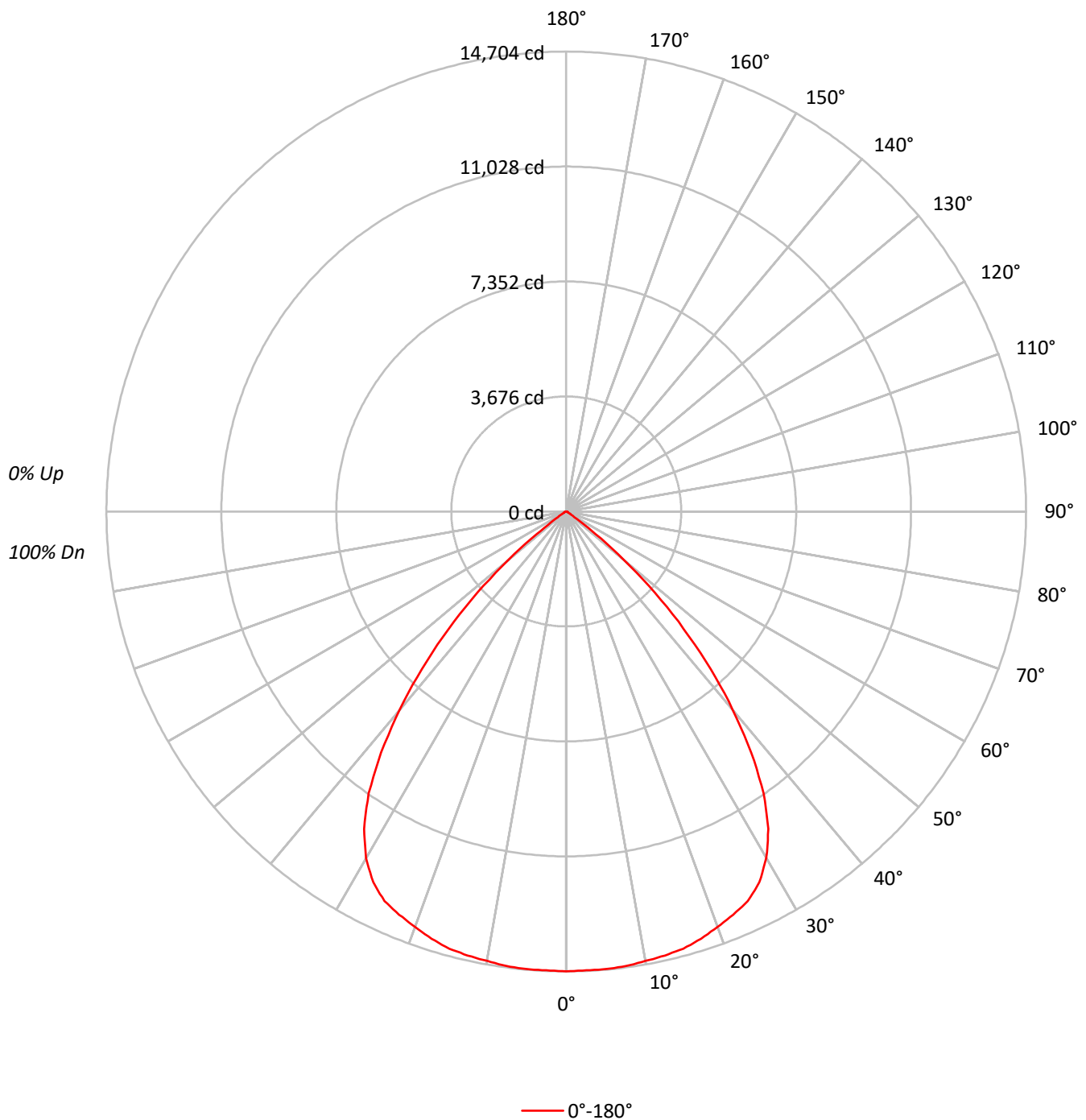
Lumens per Lamp: N/A
Luminaire Lumens: 23369.9 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.19
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.1
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°	84790
5°	80885
10°	77465
15°	74674
20°	71533
25°	68710
30°	63682
35°	54975
40°	41826
45°	27380
50°	12682
55°	2292
60°	552
65°	323
70°	305
75°	287
80°	245
85°	150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 27380 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1399.2	6.0
10°-20°	4082.7	17.5
20°-30°	6293.5	26.9
30°-40°	6743.8	28.9
40°-50°	4073.8	17.4
50°-60°	656.4	2.8
60°-70°	59.0	0.3
70°-80°	42.7	0.2
80°-90°	18.8	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°	11775.4	50.4
0°-40°	18519.2	79.2
0°-60°	23249.4	99.5
0°-90°	23369.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23369.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14704	
5°	14689	###
15°	14470	4083
25°	13745	6294
35°	11009	6744
45°	5322	4074
55°	418	656
65°	53	59
75°	41	43
85°	17	19
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14704.4
2.5°	14684.9
5°	14689.0
7.5°	14660.3
10°	14594.7
12.5°	14542.3
15°	14469.5
17.5°	14323.9
20°	14139.2
22.5°	13954.6
25°	13745.3
27.5°	13369.9
30°	12794.4
32.5°	12029.2
35°	11008.6
37.5°	9718.1
40°	8284.1
42.5°	6842.9
45°	5321.7
47.5°	3857.9
50°	2399.3
52.5°	1179.6
55°	418.5
57.5°	165.1
60°	96.4
62.5°	64.6
65°	53.3
67.5°	49.2
70°	47.2
72.5°	44.1
75°	41.0
77.5°	36.9
80°	31.8
82.5°	24.6
85°	17.4
87.5°	11.3
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	0.95	2.11	1.32	2.42	2.73	0.95	2.11	1.32	2.42	2.73
	3H	1.24	2.25	1.62	2.58	2.95	1.24	2.25	1.62	2.58	2.95
	4H	1.45	2.38	1.85	2.73	3.12	1.45	2.38	1.85	2.73	3.12
	6H	1.65	2.50	2.07	2.88	3.27	1.65	2.50	2.07	2.88	3.27
	8H	1.71	2.52	2.15	2.91	3.32	1.71	2.52	2.15	2.91	3.32
	12H	1.74	2.51	2.18	2.89	3.32	1.74	2.51	2.18	2.89	3.32
4H	2H	0.85	1.78	1.25	2.13	2.52	0.85	1.78	1.25	2.13	2.52
	3H	1.29	2.04	1.70	2.45	2.85	1.29	2.04	1.70	2.45	2.85
	4H	1.60	2.27	2.04	2.69	3.14	1.60	2.27	2.04	2.69	3.14
	6H	1.94	2.51	2.41	2.96	3.43	1.94	2.51	2.41	2.96	3.43
	8H	2.04	2.58	2.52	3.02	3.50	2.04	2.58	2.52	3.02	3.50
	12H	2.10	2.57	2.59	3.06	3.53	2.10	2.57	2.59	3.06	3.53
8H	4H	1.63	2.17	2.11	2.62	3.09	1.63	2.17	2.11	2.62	3.09
	6H	2.06	2.49	2.56	2.99	3.47	2.06	2.49	2.56	2.99	3.47
	8H	2.22	2.61	2.74	3.12	3.62	2.22	2.61	2.74	3.12	3.62
	12H	2.34	2.68	2.85	3.18	3.75	2.34	2.68	2.85	3.18	3.75
12H	4H	1.61	2.08	2.10	2.56	3.04	1.61	2.08	2.10	2.56	3.04
	6H	2.05	2.44	2.58	2.96	3.45	2.05	2.44	2.58	2.96	3.45
	8H	2.25	2.59	2.77	3.09	3.67	2.25	2.59	2.77	3.09	3.67

END OF REPORT