

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: P1221350

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3000K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221350
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-22)
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 (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

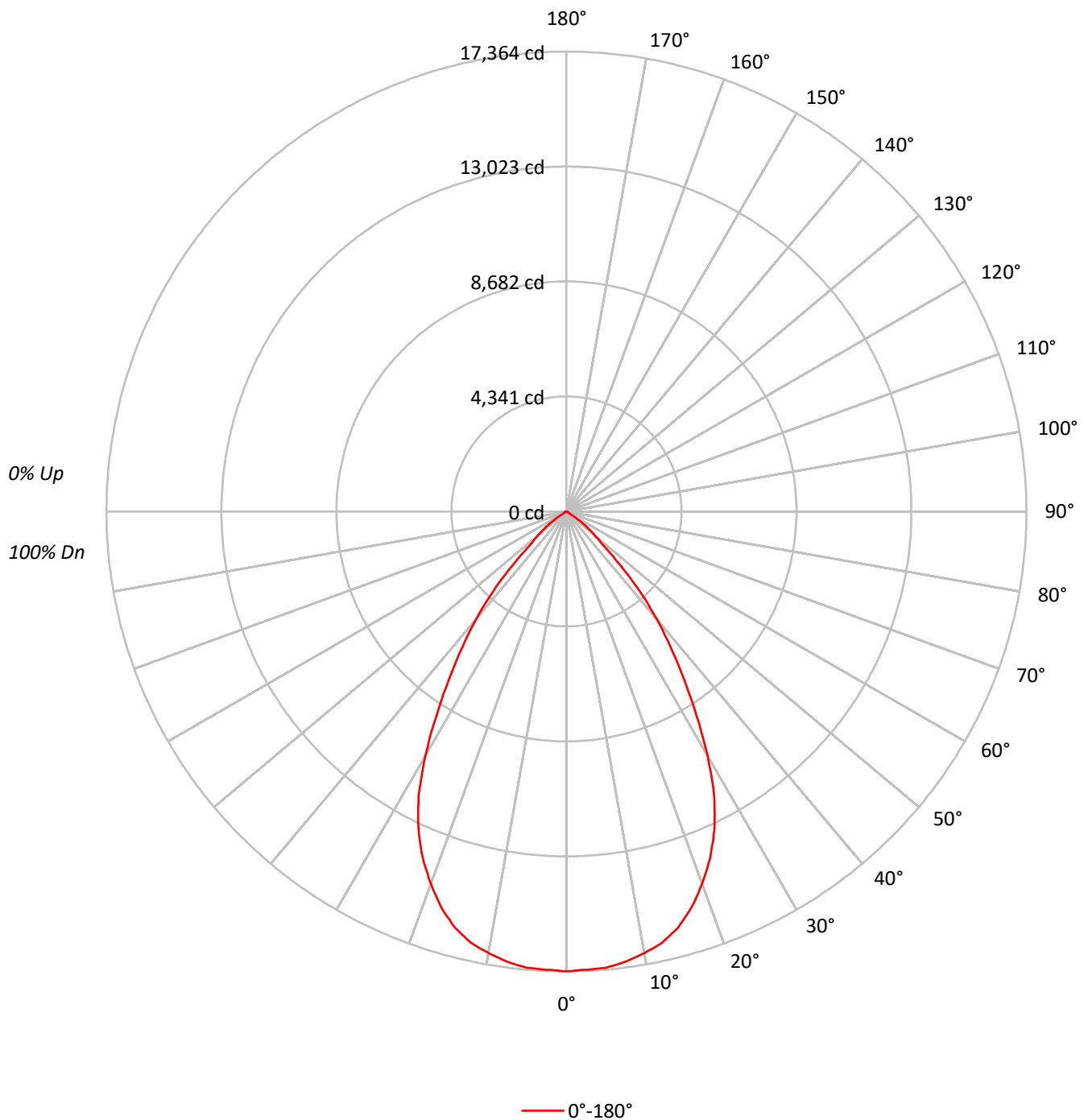
Lumens per Lamp: N/A
Luminaire Lumens: 19949.2 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 0.98
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	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	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93							
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85							
3	101	94	89	84	99	93	88	84	90	86	82	88	84	81	85	82	80	78							
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73	72							
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66							
6	85	75	69	64	83	74	68	64	73	68	64	71	67	63	70	66	63	61							
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57							
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52							
9	72	62	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49							
10	68	58	52	47	67	57	51	47	56	51	47	56	51	47	55	50	47	46							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	100125
5°	95193
10°	89881
15°	83950
20°	75729
25°	66110
30°	52988
35°	38593
40°	26655
45°	14802
50°	7373
55°	2799
60°	465
65°	226
70°	212
75°	185
80°	147
85°	86

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14802 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1638.4	8.2
10°-20°	4547.8	22.8
20°-30°	5992.1	30.0
30°-40°	4847.3	24.3
40°-50°	2302.9	11.5
50°-60°	539.3	2.7
60°-70°	43.1	0.2
70°-80°	27.5	0.1
80°-90°	10.8	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°	12178.3	61.0
0°-40°	17025.6	85.3
0°-60°	19867.8	99.6
0°-90°	19949.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19949.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17364	
5°	17287	###
15°	16267	4548
25°	13225	5992
35°	7728	4847
45°	2877	2303
55°	511	539
65°	37	43
75°	26	28
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17363.8
2.5°	17314.6
5°	17287.3
7.5°	17148.8
10°	16933.8
12.5°	16672.3
15°	16266.9
17.5°	15684.8
20°	14968.7
22.5°	14168.0
25°	13225.1
27.5°	12080.9
30°	10646.0
32.5°	9132.8
35°	7728.1
37.5°	6459.0
40°	5279.3
42.5°	4120.5
45°	2877.0
47.5°	1789.2
50°	1394.8
52.5°	998.5
55°	511.1
57.5°	211.4
60°	81.1
62.5°	45.6
65°	37.4
67.5°	34.6
70°	32.8
72.5°	29.2
75°	26.4
77.5°	22.8
80°	19.1
82.5°	14.6
85°	10.0
87.5°	5.5
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	3.21	4.28	3.57	4.59	4.91	3.21	4.28	3.57	4.59	4.91
	3H	3.17	4.11	3.55	4.45	4.81	3.17	4.11	3.55	4.45	4.81
	4H	3.17	4.04	3.57	4.39	4.78	3.17	4.04	3.57	4.39	4.78
	6H	3.15	3.94	3.57	4.32	4.71	3.15	3.94	3.57	4.32	4.71
	8H	3.13	3.87	3.56	4.27	4.68	3.13	3.87	3.56	4.27	4.68
	12H	3.09	3.81	3.53	4.19	4.62	3.09	3.81	3.53	4.19	4.62
4H	2H	2.98	3.85	3.38	4.20	4.59	2.98	3.85	3.38	4.20	4.59
	3H	2.99	3.69	3.41	4.10	4.51	2.99	3.69	3.41	4.10	4.51
	4H	3.01	3.64	3.45	4.06	4.51	3.01	3.64	3.45	4.06	4.51
	6H	3.04	3.57	3.51	4.02	4.50	3.04	3.57	3.51	4.02	4.50
	8H	3.02	3.52	3.50	3.97	4.45	3.02	3.52	3.50	3.97	4.45
	12H	3.00	3.43	3.49	3.92	4.40	3.00	3.43	3.49	3.92	4.40
8H	4H	2.90	3.40	3.38	3.85	4.32	2.90	3.40	3.38	3.85	4.32
	6H	2.95	3.35	3.46	3.86	4.34	2.95	3.35	3.46	3.86	4.34
	8H	2.96	3.31	3.49	3.84	4.33	2.96	3.31	3.49	3.84	4.33
	12H	2.96	3.27	3.48	3.77	4.35	2.96	3.27	3.48	3.77	4.35
12H	4H	2.85	3.28	3.34	3.77	4.25	2.85	3.28	3.34	3.77	4.25
	6H	2.90	3.26	3.43	3.78	4.28	2.90	3.26	3.43	3.78	4.28
	8H	2.93	3.24	3.45	3.74	4.32	2.93	3.24	3.45	3.74	4.32

END OF REPORT