

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: P1221359

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221359
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 (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

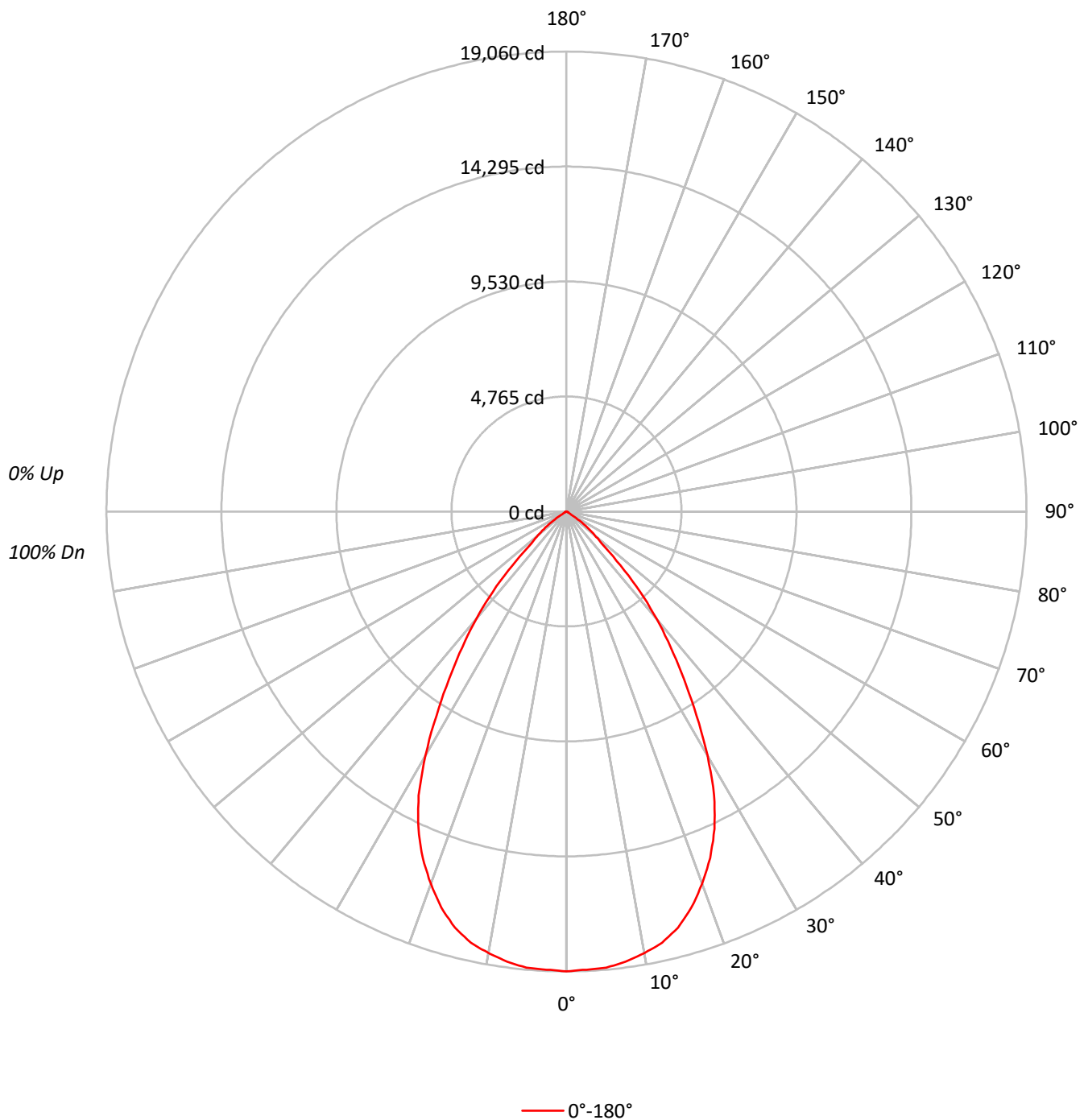
Lumens per Lamp: N/A
Luminaire Lumens: 21897.9 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 0.98
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87
3	101	94	89	84	99	93	88	84	90	86	82	88	84	81	85	82	80
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68
6	85	75	69	64	83	74	68	64	73	68	64	71	67	63	70	66	63
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54
9	72	62	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50
10	68	58	52	47	67	57	51	47	56	51	47	56	51	47	55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109906
5°	104492
10°	98661
15°	92151
20°	83127
25°	72568
30°	58165
35°	42362
40°	29259
45°	16248
50°	8092
55°	3073
60°	510
65°	248
70°	233
75°	203
80°	162
85°	95

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16248 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1798.4	8.2
10°-20°	4992.1	22.8
20°-30°	6577.5	30.0
30°-40°	5320.8	24.3
40°-50°	2527.8	11.5
50°-60°	592.0	2.7
60°-70°	47.3	0.2
70°-80°	30.2	0.1
80°-90°	11.8	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°	13368.0	61.0
0°-40°	18688.8	85.3
0°-60°	21808.6	99.6
0°-90°	21897.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21897.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19060	
5°	18976	###
15°	17856	4992
25°	14517	6577
35°	8483	5321
45°	3158	2528
55°	561	592
65°	41	47
75°	29	30
85°	11	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19060
2.5°	19006
5°	18976
7.5°	18824
10°	18588
12.5°	18301
15°	17856
17.5°	17217
20°	16431
22.5°	15552
25°	14517
27.5°	13261
30°	11686
32.5°	10025
35°	8483
37.5°	7090
40°	5795
42.5°	4523
45°	3158
47.5°	1964
50°	1531
52.5°	1096
55°	561
57.5°	232
60°	89
62.5°	50
65°	41
67.5°	38
70°	36
72.5°	32
75°	29
77.5°	25
80°	21
82.5°	16
85°	11
87.5°	6
90°	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	3.53	4.60	3.89	4.92	5.23	3.53	4.60	3.89	4.92	5.23
	3H	3.49	4.44	3.88	4.77	5.14	3.49	4.44	3.88	4.77	5.14
	4H	3.49	4.36	3.89	4.71	5.10	3.49	4.36	3.89	4.71	5.10
	6H	3.47	4.27	3.89	4.64	5.04	3.47	4.27	3.89	4.64	5.04
	8H	3.45	4.20	3.88	4.59	5.00	3.45	4.20	3.88	4.59	5.00
	12H	3.41	4.13	3.85	4.51	4.94	3.41	4.13	3.85	4.51	4.94
4H	2H	3.30	4.17	3.71	4.52	4.91	3.30	4.17	3.71	4.52	4.91
	3H	3.31	4.02	3.73	4.43	4.83	3.31	4.02	3.73	4.43	4.83
	4H	3.33	3.96	3.77	4.38	4.83	3.33	3.96	3.77	4.38	4.83
	6H	3.36	3.90	3.83	4.35	4.82	3.36	3.90	3.83	4.35	4.82
	8H	3.35	3.84	3.82	4.29	4.77	3.35	3.84	3.82	4.29	4.77
	12H	3.32	3.75	3.81	4.24	4.72	3.32	3.75	3.81	4.24	4.72
8H	4H	3.22	3.72	3.70	4.17	4.65	3.22	3.72	3.70	4.17	4.65
	6H	3.28	3.68	3.78	4.18	4.66	3.28	3.68	3.78	4.18	4.66
	8H	3.28	3.64	3.81	4.16	4.65	3.28	3.64	3.81	4.16	4.65
	12H	3.28	3.59	3.80	4.09	4.67	3.28	3.59	3.80	4.09	4.67
12H	4H	3.17	3.61	3.66	4.09	4.57	3.17	3.61	3.66	4.09	4.57
	6H	3.22	3.58	3.75	4.10	4.60	3.22	3.58	3.75	4.10	4.60
	8H	3.25	3.57	3.77	4.06	4.64	3.25	3.57	3.77	4.06	4.64

END OF REPORT