

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: P1221368

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (4000K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221368
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 (4000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

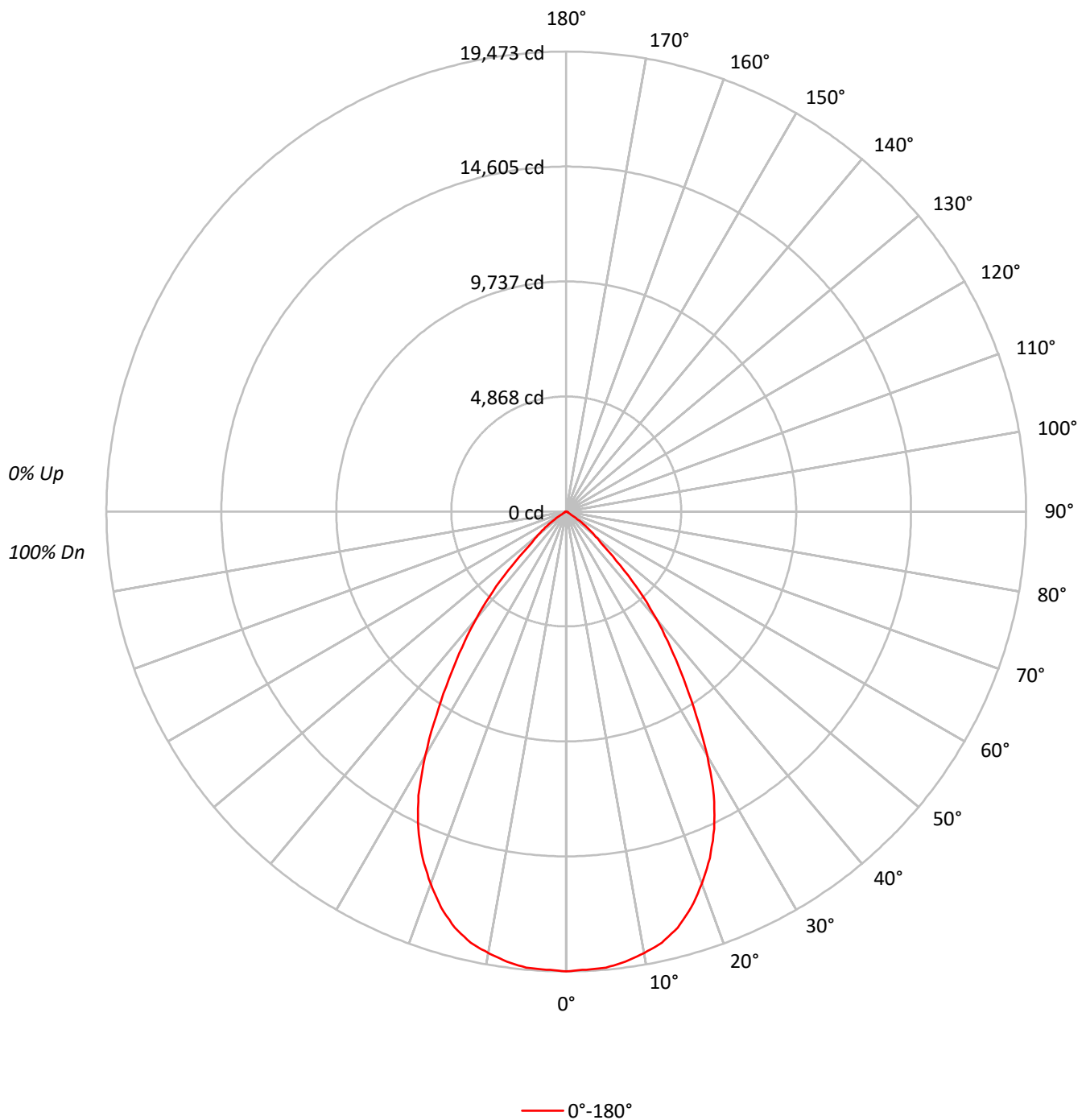
Lumens per Lamp: N/A
Luminaire Lumens: 22372.4 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 0.98
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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°	112288
5°	106756
10°	100798
15°	94148
20°	84928
25°	74140
30°	59425
35°	43280
40°	29893
45°	16600
50°	8268
55°	3140
60°	521
65°	254
70°	238
75°	207
80°	165
85°	96

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 16600 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1837.4	8.2
10°-20°	5100.3	22.8
20°-30°	6720.0	30.0
30°-40°	5436.1	24.3
40°-50°	2582.6	11.5
50°-60°	604.8	2.7
60°-70°	48.3	0.2
70°-80°	30.9	0.1
80°-90°	12.1	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°	13657.6	61.0
0°-40°	19093.7	85.3
0°-60°	22281.1	99.6
0°-90°	22372.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22372.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19473	
5°	19387	###
15°	18243	5100
25°	14832	6720
35°	8667	5436
45°	3226	2583
55°	573	605
65°	42	48
75°	30	31
85°	11	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19473.0
2.5°	19417.8
5°	19387.1
7.5°	19231.8
10°	18990.7
12.5°	18697.5
15°	18242.9
17.5°	17590.0
20°	16787.0
22.5°	15889.0
25°	14831.5
27.5°	13548.3
30°	11939.2
32.5°	10242.2
35°	8666.8
37.5°	7243.6
40°	5920.6
42.5°	4621.0
45°	3226.4
47.5°	2006.6
50°	1564.2
52.5°	1119.7
55°	573.2
57.5°	237.0
60°	90.9
62.5°	51.1
65°	41.9
67.5°	38.8
70°	36.8
72.5°	32.7
75°	29.6
77.5°	25.5
80°	21.5
82.5°	16.3
85°	11.2
87.5°	6.1
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	3.60	4.68	3.97	4.99	5.30	3.60	4.68	3.97	4.99	5.30
	3H	3.57	4.51	3.95	4.84	5.21	3.57	4.51	3.95	4.84	5.21
	4H	3.56	4.43	3.97	4.78	5.17	3.56	4.43	3.97	4.78	5.17
	6H	3.54	4.34	3.96	4.71	5.11	3.54	4.34	3.96	4.71	5.11
	8H	3.52	4.27	3.96	4.66	5.07	3.52	4.27	3.96	4.66	5.07
	12H	3.49	4.20	3.92	4.59	5.02	3.49	4.20	3.92	4.59	5.02
4H	2H	3.37	4.24	3.78	4.60	4.99	3.37	4.24	3.78	4.60	4.99
	3H	3.39	4.09	3.80	4.50	4.90	3.39	4.09	3.80	4.50	4.90
	4H	3.41	4.03	3.85	4.46	4.90	3.41	4.03	3.85	4.46	4.90
	6H	3.44	3.97	3.91	4.42	4.89	3.44	3.97	3.91	4.42	4.89
	8H	3.42	3.92	3.90	4.37	4.84	3.42	3.92	3.90	4.37	4.84
	12H	3.40	3.83	3.89	4.32	4.79	3.40	3.83	3.89	4.32	4.79
8H	4H	3.30	3.80	3.77	4.25	4.72	3.30	3.80	3.77	4.25	4.72
	6H	3.35	3.75	3.86	4.25	4.74	3.35	3.75	3.86	4.25	4.74
	8H	3.35	3.71	3.88	4.23	4.73	3.35	3.71	3.88	4.23	4.73
	12H	3.35	3.67	3.87	4.17	4.74	3.35	3.67	3.87	4.17	4.74
12H	4H	3.25	3.68	3.74	4.17	4.64	3.25	3.68	3.74	4.17	4.64
	6H	3.30	3.65	3.83	4.18	4.67	3.30	3.65	3.83	4.18	4.67
	8H	3.32	3.64	3.85	4.14	4.72	3.32	3.64	3.85	4.14	4.72

END OF REPORT