

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: P1221503

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221503
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (4000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

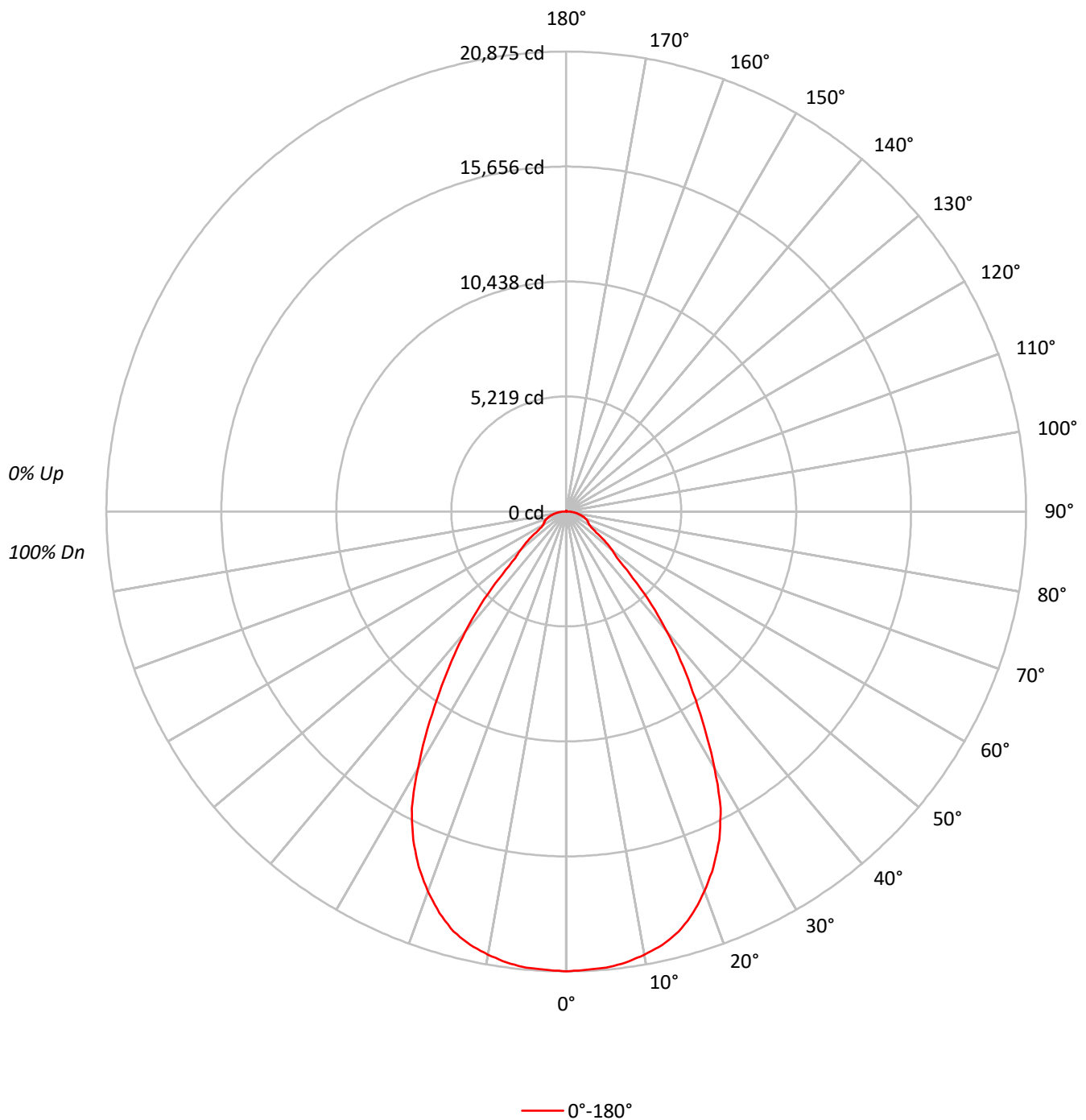
Lumens per Lamp: N/A
Luminaire Lumens: 28493.3 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82
3	98	90	83	79	95	88	82	78	85	80	76	83	79	75	80	77	74
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	72	60	53	49	70	60	53	49	59	53	48	57	52	48	56	51	48
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120370
5°	114469
10°	108439
15°	101893
20°	92801
25°	82168
30°	67093
35°	50086
40°	35959
45°	22114
50°	14197
55°	9116
60°	6923
65°	6548
70°	5985
75°	5106
80°	3921
85°	2278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22114 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1972.8	6.9
10°-20°	5526.5	19.4
20°-30°	7458.6	26.2
30°-40°	6292.5	22.1
40°-50°	3448.8	12.1
50°-60°	1595.4	5.6
60°-70°	1064.2	3.7
70°-80°	766.2	2.7
80°-90°	284.2	1.0
90°-100°	7.9	0.0
100°-110°	8.5	0.0
110°-120°	9.0	0.0
120°-130°	9.5	0.0
130°-140°	11.7	0.0
140°-150°	15.1	0.1
150°-160°	12.8	0.0
160°-170°	7.2	0.0
170°-180°	2.6	0.0
0°-30°	14957.8	52.5
0°-40°	21250.3	74.6
0°-60°	26294.6	92.3
0°-90°	28409.1	99.7
90°-120°	25.4	0.1
90°-150°	61.6	0.2
90°-180°	84.0	0.3
0°-180°	28493.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20875	
5°	20788	###
15°	19744	5526
25°	16438	7459
35°	10030	6293
45°	4298	3449
55°	1664	1595
65°	1082	1064
75°	730	766
85°	265	265
90°	7	21
95°	7	6
105°	8	9
115°	9	9
125°	10	9
135°	14	12
145°	24	15
155°	28	13
165°	26	7
175°	28	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20874.7
2.5°	20826.7
5°	20787.8
7.5°	20653.0
10°	20430.3
12.5°	20152.4
15°	19743.7
17.5°	19123.5
20°	18343.0
22.5°	17478.7
25°	16437.6
27.5°	15184.0
30°	13479.9
32.5°	11713.4
35°	10029.7
37.5°	8519.7
40°	7122.0
42.5°	5744.8
45°	4298.1
47.5°	3126.3
50°	2686.0
52.5°	2204.8
55°	1664.3
57.5°	1356.8
60°	1208.6
62.5°	1137.1
65°	1081.9
67.5°	1009.4
70°	925.6
72.5°	833.7
75°	729.5
77.5°	622.2
80°	509.8
82.5°	391.3
85°	264.6
87.5°	129.8
90°	7.2
92.5°	7.2
95°	7.2
97.5°	7.2
100°	7.2
102.5°	8.2
105°	8.2
107.5°	8.2
110°	8.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.2
115°	9.2
117.5°	9.2
120°	9.2
122.5°	10.2
125°	10.2
127.5°	11.2
130°	12.3
132.5°	13.3
135°	14.3
137.5°	17.4
140°	19.4
142.5°	21.5
145°	24.5
147.5°	26.6
150°	28.6
152.5°	28.6
155°	27.6
157.5°	26.6
160°	25.5
162.5°	24.5
165°	25.5
167.5°	25.5
170°	26.6
172.5°	26.6
175°	27.6
177.5°	28.6
180°	30.6

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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	14.94	16.18	15.31	16.50	16.82	14.94	16.18	15.31	16.50	16.82
	3H	16.80	17.90	17.18	18.24	18.61	16.80	17.90	17.18	18.24	18.61
	4H	17.52	18.55	17.93	18.90	19.30	17.52	18.55	17.93	18.90	19.30
	6H	18.04	18.98	18.46	19.36	19.76	18.04	18.98	18.46	19.36	19.76
	8H	18.19	19.09	18.63	19.49	19.90	18.19	19.09	18.63	19.49	19.90
	12H	18.28	19.13	18.72	19.52	19.96	18.28	19.13	18.72	19.52	19.96
4H	2H	15.44	16.46	15.85	16.82	17.21	15.44	16.46	15.85	16.82	17.21
	3H	17.50	18.35	17.92	18.76	19.17	17.50	18.35	17.92	18.76	19.17
	4H	18.34	19.10	18.78	19.52	19.98	18.34	19.10	18.78	19.52	19.98
	6H	18.98	19.63	19.44	20.08	20.56	18.98	19.63	19.44	20.08	20.56
	8H	19.17	19.78	19.64	20.24	20.71	19.17	19.78	19.64	20.24	20.71
	12H	19.29	19.83	19.78	20.32	20.80	19.29	19.83	19.78	20.32	20.80
8H	4H	18.57	19.19	19.05	19.64	20.12	18.57	19.19	19.05	19.64	20.12
	6H	19.32	19.82	19.82	20.32	20.81	19.32	19.82	19.82	20.32	20.81
	8H	19.57	20.02	20.10	20.54	21.04	19.57	20.02	20.10	20.54	21.04
	12H	19.76	20.15	20.28	20.65	21.23	19.76	20.15	20.28	20.65	21.23
12H	4H	18.58	19.12	19.07	19.61	20.09	18.58	19.12	19.07	19.61	20.09
	6H	19.34	19.79	19.87	20.31	20.81	19.34	19.79	19.87	20.31	20.81
	8H	19.65	20.04	20.17	20.54	21.12	19.65	20.04	20.17	20.54	21.12