

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: P1221506

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (4000K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221506
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_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

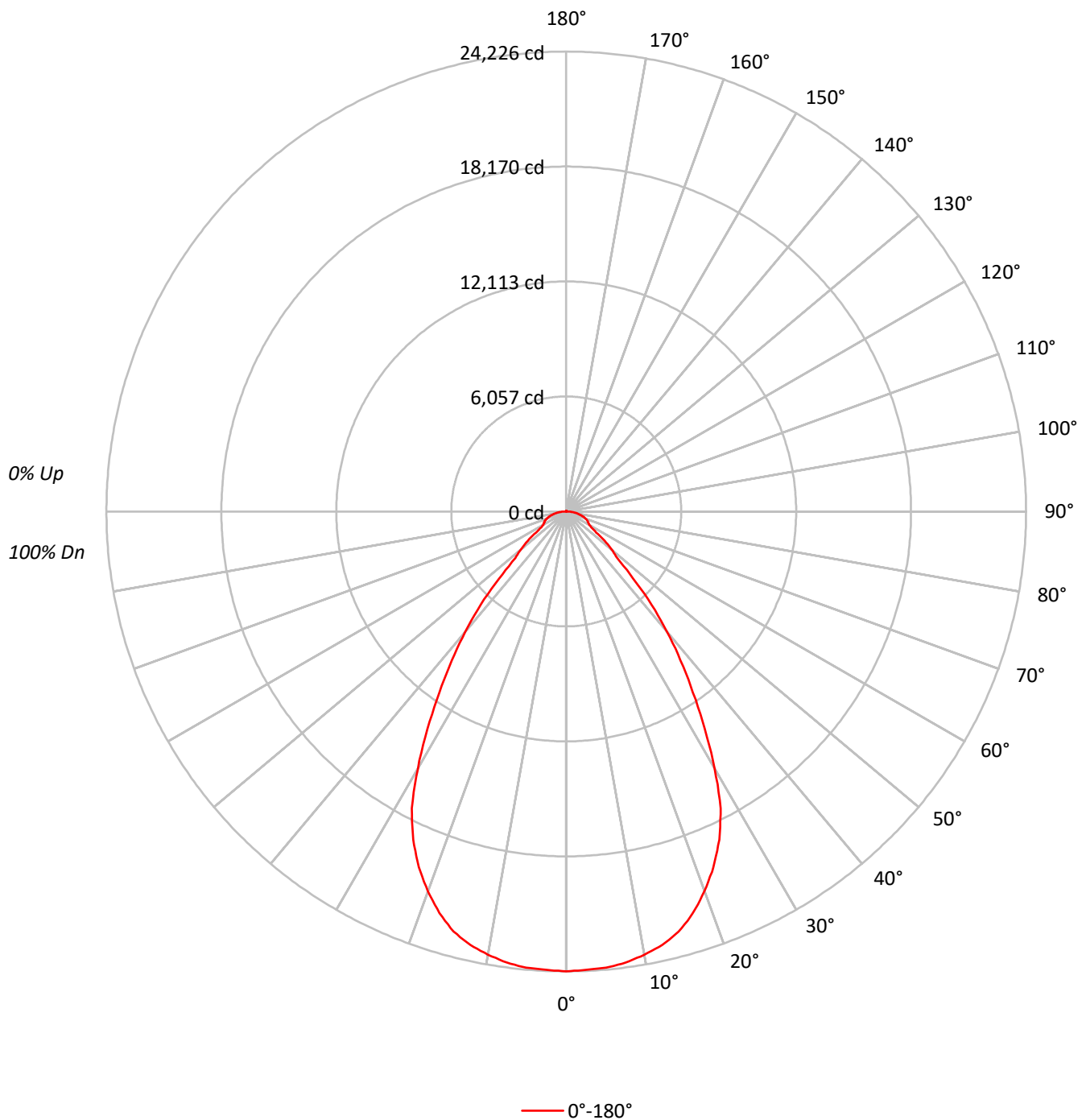
Lumens per Lamp: N/A
Luminaire Lumens: 33067.9 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 230.2
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°	139696
5°	132847
10°	125849
15°	118252
20°	107700
25°	95361
30°	77865
35°	58128
40°	41732
45°	25664
50°	16477
55°	10579
60°	8035
65°	7599
70°	6946
75°	5925
80°	4551
85°	2643

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 25664 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2289.5	6.9
10°-20°	6413.8	19.4
20°-30°	8656.1	26.2
30°-40°	7302.8	22.1
40°-50°	4002.5	12.1
50°-60°	1851.5	5.6
60°-70°	1235.1	3.7
70°-80°	889.2	2.7
80°-90°	329.8	1.0
90°-100°	9.1	0.0
100°-110°	9.9	0.0
110°-120°	10.5	0.0
120°-130°	11.0	0.0
130°-140°	13.6	0.0
140°-150°	17.5	0.1
150°-160°	14.8	0.0
160°-170°	8.3	0.0
170°-180°	3.0	0.0
0°-30°	17359.3	52.5
0°-40°	24662.1	74.6
0°-60°	30516.2	92.3
0°-90°	32970.3	99.7
90°-120°	29.4	0.1
90°-150°	71.5	0.2
90°-180°	98.0	0.3
0°-180°	33067.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24226	
5°	24125	###
15°	22914	6414
25°	19077	8656
35°	11640	7303
45°	4988	4003
55°	1932	1852
65°	1256	1235
75°	847	889
85°	307	308
90°	8	24
95°	8	7
105°	10	10
115°	11	10
125°	12	11
135°	17	14
145°	28	17
155°	32	15
165°	30	8
175°	32	3
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	24226.2
2.5°	24170.4
5°	24125.4
7.5°	23968.9
10°	23710.4
12.5°	23387.9
15°	22913.6
17.5°	22193.9
20°	21288.0
22.5°	20284.9
25°	19076.7
27.5°	17621.8
30°	15644.1
32.5°	13594.0
35°	11640.0
37.5°	9887.5
40°	8265.5
42.5°	6667.2
45°	4988.2
47.5°	3628.2
50°	3117.2
52.5°	2558.7
55°	1931.5
57.5°	1574.6
60°	1402.7
62.5°	1319.7
65°	1255.7
67.5°	1171.5
70°	1074.2
72.5°	967.5
75°	846.6
77.5°	722.1
80°	591.7
82.5°	454.1
85°	307.1
87.5°	150.6
90°	8.3
92.5°	8.3
95°	8.3
97.5°	8.3
100°	8.3
102.5°	9.5
105°	9.5
107.5°	9.5
110°	9.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.7
115°	10.7
117.5°	10.7
120°	10.7
122.5°	11.9
125°	11.9
127.5°	13.0
130°	14.2
132.5°	15.4
135°	16.6
137.5°	20.2
140°	22.5
142.5°	24.9
145°	28.5
147.5°	30.8
150°	33.2
152.5°	33.2
155°	32.0
157.5°	30.8
160°	29.6
162.5°	28.5
165°	29.6
167.5°	29.6
170°	30.8
172.5°	30.8
175°	32.0
177.5°	33.2
180°	35.6

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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	15.46	16.69	15.83	17.01	17.34	15.46	16.69	15.83	17.01	17.34
	3H	17.31	18.42	17.70	18.75	19.13	17.31	18.42	17.70	18.75	19.13
	4H	18.04	19.06	18.45	19.42	19.81	18.04	19.06	18.45	19.42	19.81
	6H	18.56	19.50	18.98	19.88	20.28	18.56	19.50	18.98	19.88	20.28
	8H	18.71	19.61	19.15	20.00	20.42	18.71	19.61	19.15	20.00	20.42
	12H	18.79	19.65	19.23	20.04	20.48	18.79	19.65	19.23	20.04	20.48
4H	2H	15.95	16.98	16.36	17.34	17.73	15.95	16.98	16.36	17.34	17.73
	3H	18.02	18.87	18.44	19.28	19.69	18.02	18.87	18.44	19.28	19.69
	4H	18.86	19.62	19.30	20.04	20.49	18.86	19.62	19.30	20.04	20.49
	6H	19.49	20.15	19.96	20.60	21.08	19.49	20.15	19.96	20.60	21.08
	8H	19.69	20.30	20.16	20.75	21.23	19.69	20.30	20.16	20.75	21.23
	12H	19.80	20.34	20.29	20.83	21.31	19.80	20.34	20.29	20.83	21.31
8H	4H	19.09	19.70	19.57	20.16	20.64	19.09	19.70	19.57	20.16	20.64
	6H	19.83	20.33	20.34	20.84	21.33	19.83	20.33	20.34	20.84	21.33
	8H	20.09	20.54	20.62	21.06	21.56	20.09	20.54	20.62	21.06	21.56
	12H	20.27	20.67	20.79	21.17	21.75	20.27	20.67	20.79	21.17	21.75
12H	4H	19.10	19.64	19.59	20.13	20.61	19.10	19.64	19.59	20.13	20.61
	6H	19.86	20.31	20.39	20.83	21.33	19.86	20.31	20.39	20.83	21.33
	8H	20.17	20.56	20.69	21.06	21.64	20.17	20.56	20.69	21.06	21.64