

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: P1221479

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (6500K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221479
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (6500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

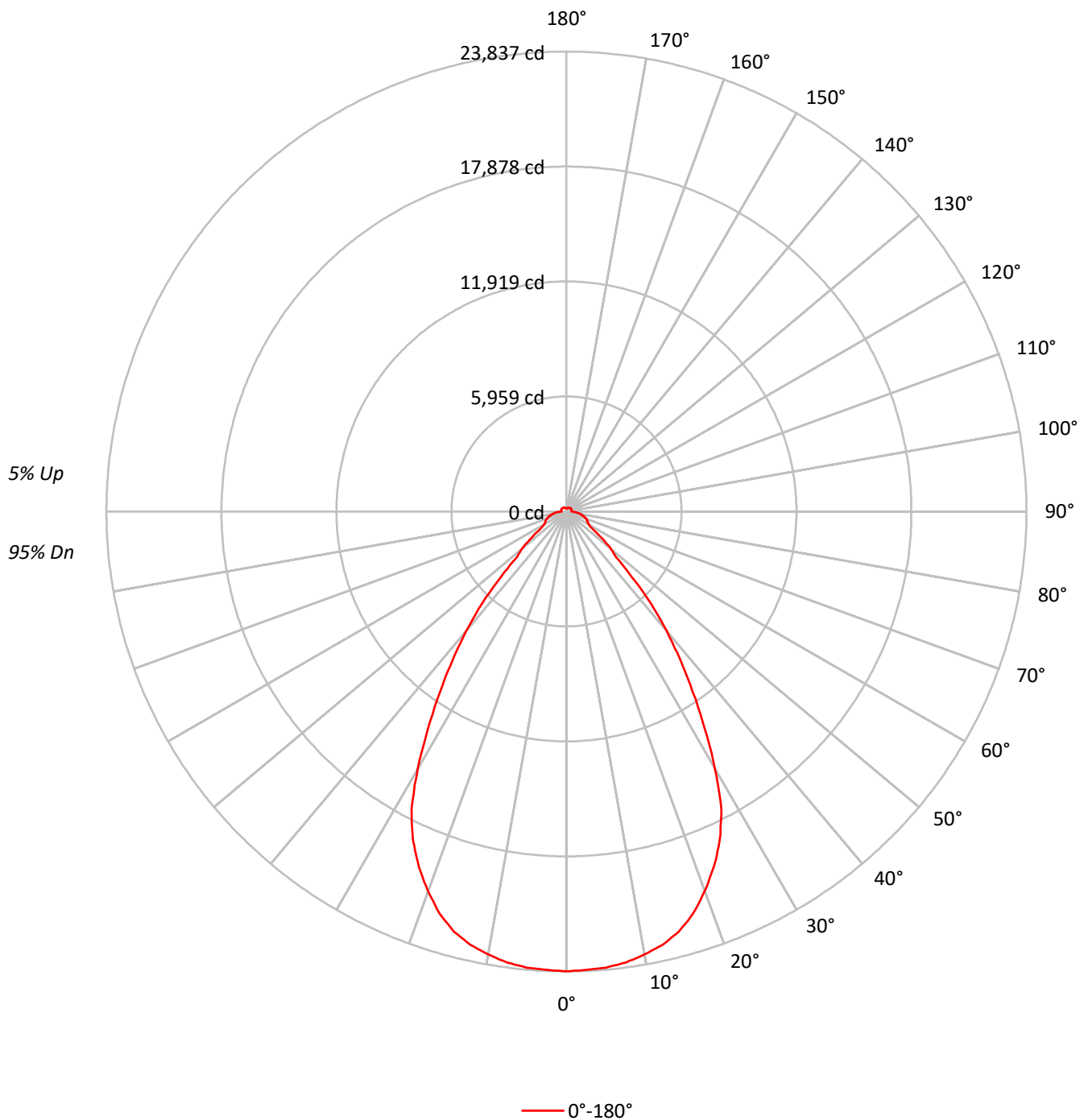
Lumens per Lamp: N/A
Luminaire Lumens: 34147.3 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	98	98	98	98	98			
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87	87	87	87	87	87			
2	103	97	91	87	100	94	90	86	90	86	83	86	83	81	83	80	78	78	78	78	78	78			
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	73	70	70	70	70	70	70			
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	67	64	64	64	64	64	64			
5	84	74	67	62	82	73	66	61	71	65	60	68	63	59	66	62	58	58	58	58	58	58			
6	79	69	61	56	77	68	61	56	65	60	55	63	58	54	62	57	54	54	54	54	54	54			
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	49	49	49	49	49	49			
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	46	46	46	46	46			
9	66	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	42	42	42	42	42			
10	63	52	45	41	62	51	45	40	50	44	40	49	43	40	48	43	39	39	39	39	39	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137453
5°	130669
10°	123745
15°	116305
20°	105968
25°	94002
30°	76702
35°	56986
40°	40614
45°	24636
50°	15707
55°	9932
60°	7559
65°	7294
70°	6941
75°	6333
80°	5455
85°	4229

MAXIMUM LUMINANCE 45°-90°:

Luminance: 24636 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2251.9	6.6
10°-20°	6310.1	18.5
20°-30°	8527.7	25.0
30°-40°	7156.8	21.0
40°-50°	3858.6	11.3
50°-60°	1748.6	5.1
60°-70°	1189.3	3.5
70°-80°	951.0	2.8
80°-90°	531.8	1.6
90°-100°	292.8	0.9
100°-110°	294.9	0.9
110°-120°	276.9	0.8
120°-130°	242.2	0.7
130°-140°	198.3	0.6
140°-150°	150.5	0.4
150°-160°	100.1	0.3
160°-170°	50.9	0.1
170°-180°	14.9	0.0
0°-30°	17089.7	50.0
0°-40°	24246.5	71.0
0°-60°	29853.8	87.4
0°-90°	32525.8	95.3
90°-120°	864.6	2.5
90°-150°	1455.5	4.3
90°-180°	1621.0	4.7
0°-180°	34147.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23837	
5°	23730	###
15°	22536	6310
25°	18805	8528
35°	11411	7157
45°	4788	3859
55°	1813	1749
65°	1205	1189
75°	905	951
85°	491	445
90°	260	159
95°	269	221
105°	279	295
115°	279	277
125°	270	242
135°	256	198
145°	239	150
155°	217	100
165°	178	51
175°	157	15
180°	154	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23837.1
2.5°	23777.0
5°	23729.9
7.5°	23576.7
10°	23313.9
12.5°	23004.1
15°	22536.3
17.5°	21849.4
20°	20945.7
22.5°	19955.9
25°	18804.8
27.5°	17385.0
30°	15410.3
32.5°	13346.0
35°	11411.3
37.5°	9660.4
40°	8043.9
42.5°	6468.6
45°	4788.4
47.5°	3462.9
50°	2971.5
52.5°	2427.2
55°	1813.3
57.5°	1477.5
60°	1319.6
62.5°	1251.3
65°	1205.3
67.5°	1145.3
70°	1073.4
72.5°	994.4
75°	904.9
77.5°	810.6
80°	709.3
82.5°	604.4
85°	491.3
87.5°	371.1
90°	260.4
92.5°	265.1
95°	268.6
97.5°	272.2
100°	274.5
102.5°	278.1
105°	279.2
107.5°	280.4
110°	280.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	280.4
115°	279.2
117.5°	278.1
120°	275.7
122.5°	273.4
125°	269.8
127.5°	266.3
130°	263.9
132.5°	259.2
135°	255.7
137.5°	252.1
140°	248.6
142.5°	243.9
145°	239.2
147.5°	234.5
150°	229.8
152.5°	223.9
155°	216.8
157.5°	207.4
160°	196.8
162.5°	187.3
165°	177.9
167.5°	167.3
170°	157.9
172.5°	155.5
175°	156.7
177.5°	155.5
180°	154.4

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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	14.70	15.87	15.15	16.29	16.72	14.70	15.87	15.15	16.29	16.72
	3H	16.71	17.76	17.18	18.19	18.67	16.71	17.76	17.18	18.19	18.67
	4H	17.58	18.55	18.06	19.00	19.50	17.58	18.55	18.06	19.00	19.50
	6H	18.30	19.20	18.80	19.66	20.17	18.30	19.20	18.80	19.66	20.17
	8H	18.57	19.42	19.08	19.91	20.43	18.57	19.42	19.08	19.91	20.43
	12H	18.78	19.60	19.30	20.08	20.62	18.78	19.60	19.30	20.08	20.62
4H	2H	15.22	16.20	15.71	16.65	17.15	15.22	16.20	15.71	16.65	17.15
	3H	17.46	18.27	17.96	18.77	19.28	17.46	18.27	17.96	18.77	19.28
	4H	18.46	19.19	18.98	19.70	20.25	18.46	19.19	18.98	19.70	20.25
	6H	19.32	19.95	19.86	20.49	21.06	19.32	19.95	19.86	20.49	21.06
	8H	19.65	20.24	20.20	20.78	21.36	19.65	20.24	20.20	20.78	21.36
	12H	19.93	20.45	20.49	21.02	21.60	19.93	20.45	20.49	21.02	21.60
8H	4H	18.76	19.35	19.31	19.88	20.46	18.76	19.35	19.31	19.88	20.46
	6H	19.76	20.25	20.34	20.83	21.42	19.76	20.25	20.34	20.83	21.42
	8H	20.19	20.63	20.79	21.22	21.82	20.19	20.63	20.79	21.22	21.82
	12H	20.58	20.96	21.17	21.54	22.21	20.58	20.96	21.17	21.54	22.21
12H	4H	18.79	19.31	19.35	19.88	20.46	18.79	19.31	19.35	19.88	20.46
	6H	19.83	20.26	20.43	20.86	21.46	19.83	20.26	20.43	20.86	21.46
	8H	20.32	20.70	20.91	21.28	21.96	20.32	20.70	20.91	21.28	21.96