

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: P1221444

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221444
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-32)
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 (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

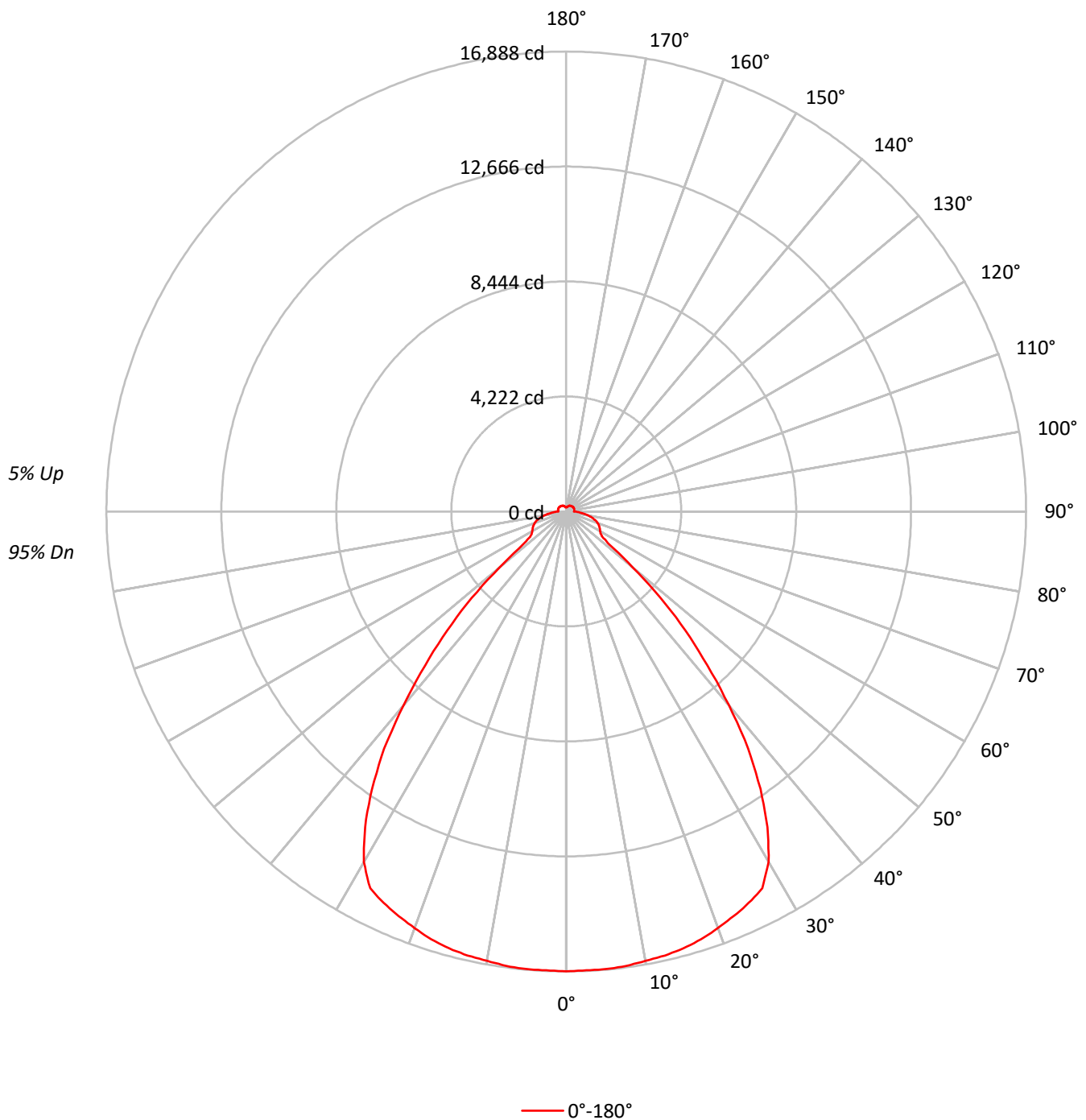
Lumens per Lamp: N/A
Luminaire Lumens: 32400.4 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 236.8
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86
2	102	95	90	85	99	93	88	84	89	84	81	85	81	78	81	78	76
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	58	55
6	77	66	58	53	75	64	57	52	62	56	51	60	55	51	58	53	50
7	72	60	53	48	70	59	52	47	57	51	47	56	50	46	54	49	45
8	68	56	48	43	66	55	48	43	53	47	43	52	46	42	50	45	41
9	64	52	45	40	62	51	44	39	50	43	39	48	43	39	47	42	38
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97381
5°	92888
10°	88935
15°	85746
20°	82384
25°	79298
30°	73984
35°	62091
40°	46853
45°	31844
50°	16877
55°	8819
60°	8231
65°	8165
70°	7910
75°	7296
80°	6139
85°	4605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 31844 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1606.6	5.0
10°-20°	4692.3	14.5
20°-30°	7286.0	22.5
30°-40°	7665.0	23.7
40°-50°	4738.7	14.6
50°-60°	1649.4	5.1
60°-70°	1329.7	4.1
70°-80°	1088.4	3.4
80°-90°	584.4	1.8
90°-100°	322.0	1.0
100°-110°	323.0	1.0
110°-120°	302.3	0.9
120°-130°	263.9	0.8
130°-140°	214.4	0.7
140°-150°	161.1	0.5
150°-160°	105.6	0.3
160°-170°	52.7	0.2
170°-180°	15.0	0.0
0°-30°	13584.9	41.9
0°-40°	21249.9	65.6
0°-60°	27638.0	85.3
0°-90°	30640.5	94.6
90°-120°	947.2	2.9
90°-150°	1586.6	4.9
90°-180°	1760.0	5.4
0°-180°	32400.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16888	
5°	16869	###
15°	16615	4692
25°	15863	7286
35°	12434	7665
45°	6189	4739
55°	1610	1649
65°	1349	1330
75°	1042	1088
85°	535	490
90°	286	173
95°	295	243
105°	306	323
115°	304	302
125°	294	264
135°	277	214
145°	257	161
155°	228	106
165°	184	53
175°	156	15
180°	153	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16887.8
2.5°	16862.4
5°	16868.8
7.5°	16833.9
10°	16755.6
12.5°	16701.7
15°	16615.0
17.5°	16471.2
20°	16284.1
22.5°	16077.9
25°	15863.3
27.5°	15593.7
30°	14864.2
32.5°	13756.2
35°	12433.5
37.5°	10978.7
40°	9279.7
42.5°	7669.4
45°	6189.3
47.5°	4709.1
50°	3193.0
52.5°	1988.7
55°	1610.2
57.5°	1496.0
60°	1436.8
62.5°	1391.4
65°	1349.1
67.5°	1293.0
70°	1223.3
72.5°	1141.9
75°	1042.5
77.5°	926.2
80°	798.2
82.5°	667.1
85°	535.0
87.5°	400.7
90°	286.5
92.5°	291.8
95°	295.0
97.5°	299.2
100°	302.4
102.5°	304.5
105°	305.6
107.5°	306.6
110°	306.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	306.6
115°	304.5
117.5°	303.4
120°	300.3
122.5°	298.2
125°	293.9
127.5°	290.7
130°	286.5
132.5°	281.2
135°	277.0
137.5°	271.7
140°	266.4
142.5°	261.1
145°	256.9
147.5°	250.6
150°	244.2
152.5°	236.8
155°	228.4
157.5°	217.8
160°	206.2
162.5°	195.6
165°	184.0
167.5°	171.3
170°	159.6
172.5°	156.5
175°	156.5
177.5°	154.4
180°	153.3

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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	14.90	16.12	15.36	16.55	17.00	14.90	16.12	15.36	16.55	17.00
	3H	17.29	18.38	17.76	18.82	19.32	17.29	18.38	17.76	18.82	19.32
	4H	18.28	19.30	18.78	19.76	20.28	18.28	19.30	18.78	19.76	20.28
	6H	19.06	20.00	19.57	20.48	21.01	19.06	20.00	19.57	20.48	21.01
	8H	19.34	20.24	19.87	20.73	21.27	19.34	20.24	19.87	20.73	21.27
	12H	19.56	20.41	20.08	20.90	21.46	19.56	20.41	20.08	20.90	21.46
4H	2H	15.57	16.60	16.07	17.06	17.57	15.57	16.60	16.07	17.06	17.57
	3H	18.15	19.00	18.66	19.50	20.04	18.15	19.00	18.66	19.50	20.04
	4H	19.26	20.03	19.79	20.55	21.12	19.26	20.03	19.79	20.55	21.12
	6H	20.17	20.84	20.72	21.38	21.97	20.17	20.84	20.72	21.38	21.97
	8H	20.51	21.13	21.06	21.67	22.27	20.51	21.13	21.06	21.67	22.27
	12H	20.77	21.33	21.35	21.90	22.50	20.77	21.33	21.35	21.90	22.50
8H	4H	19.60	20.22	20.16	20.77	21.36	19.60	20.22	20.16	20.77	21.36
	6H	20.64	21.16	21.23	21.75	22.35	20.64	21.16	21.23	21.75	22.35
	8H	21.07	21.53	21.68	22.14	22.75	21.07	21.53	21.68	22.14	22.75
	12H	21.44	21.85	22.04	22.43	23.12	21.44	21.85	22.04	22.43	23.12
12H	4H	19.63	20.18	20.21	20.76	21.36	19.63	20.18	20.21	20.76	21.36
	6H	20.71	21.17	21.32	21.78	22.39	20.71	21.17	21.32	21.78	22.39
	8H	21.20	21.61	21.80	22.19	22.88	21.20	21.61	21.80	22.19	22.88