

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: P1221442

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221442
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-31)
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_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

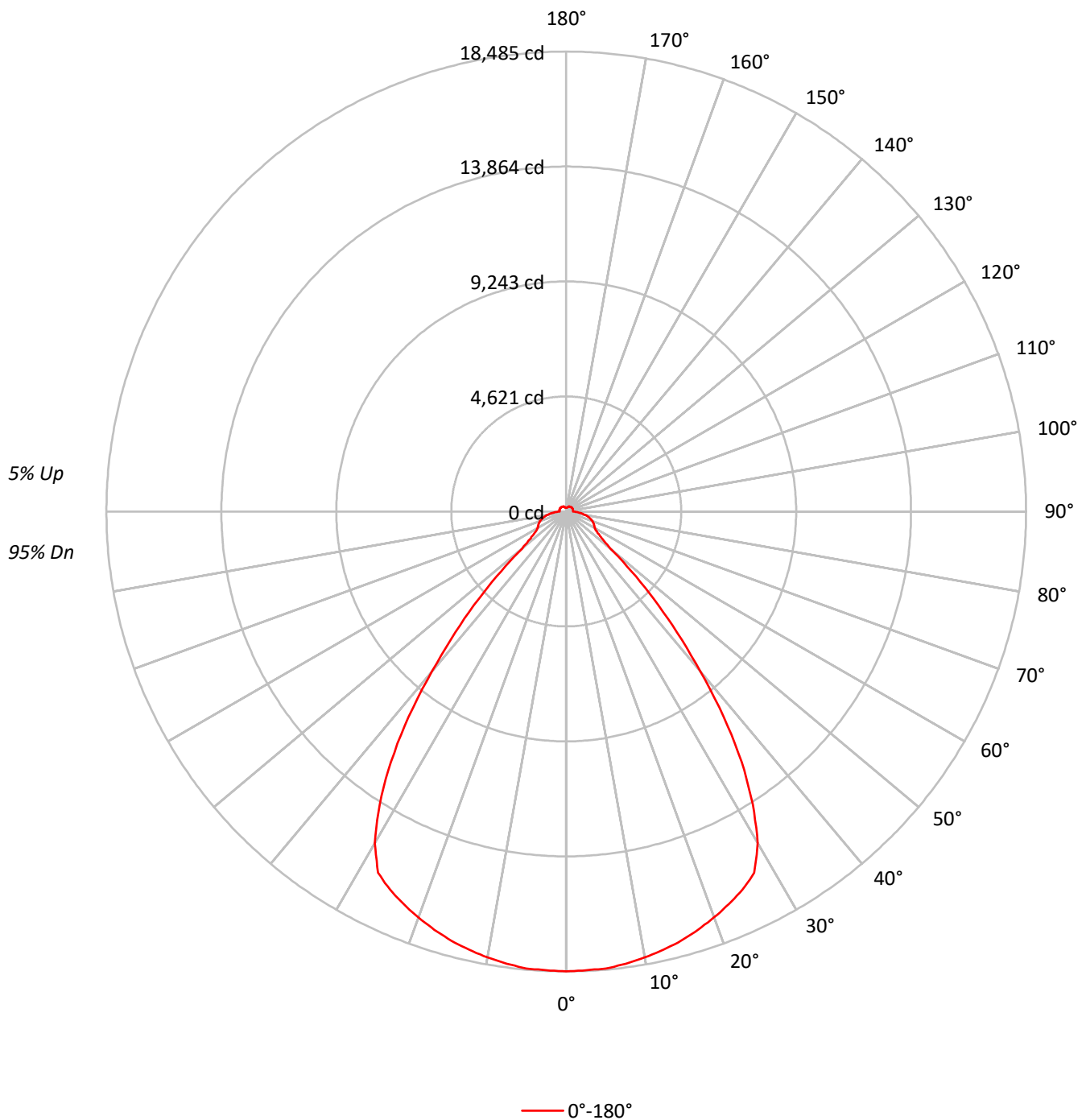
Lumens per Lamp: N/A
Luminaire Lumens: 31773.8 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	97	97	97	97	97			
1	110	106	103	100	107	103	100	97	98	96	93	94	92	90	89	88	86	86	86	86	86	84			
2	102	96	90	86	99	94	89	85	89	85	82	85	82	79	82	79	77	77	77	77	77	75			
3	95	87	81	75	93	85	79	74	82	77	73	78	74	71	75	72	69	69	69	69	69	67			
4	89	79	72	67	87	78	71	66	75	69	65	72	67	64	70	66	62	62	62	62	62	60			
5	83	73	66	60	81	72	65	60	69	63	59	67	62	58	64	60	57	57	57	57	57	55			
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	52	52	52	52	50			
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	47	47	47	47	45			
8	69	57	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43	43	43	43	43	42			
9	65	53	46	42	63	53	46	41	51	45	41	50	44	40	49	44	40	40	40	40	40	38			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	37	46	41	37	37	37	37	37	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106592
5°	101505
10°	96612
15°	92196
20°	87861
25°	83843
30°	76610
35°	61372
40°	42283
45°	25556
50°	12205
55°	8704
60°	7583
65°	7461
70°	7199
75°	6690
80°	5749
85°	4332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25556 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1751.8	5.5
10°-20°	5042.2	15.9
20°-30°	7682.9	24.2
30°-40°	7537.8	23.7
40°-50°	3894.2	12.3
50°-60°	1483.3	4.7
60°-70°	1215.7	3.8
70°-80°	999.4	3.1
80°-90°	548.0	1.7
90°-100°	295.9	0.9
100°-110°	296.5	0.9
110°-120°	277.6	0.9
120°-130°	242.0	0.8
130°-140°	197.2	0.6
140°-150°	148.5	0.5
150°-160°	97.9	0.3
160°-170°	48.9	0.2
170°-180°	14.0	0.0
0°-30°	14476.9	45.6
0°-40°	22014.7	69.3
0°-60°	27392.3	86.2
0°-90°	30155.4	94.9
90°-120°	870.0	2.7
90°-150°	1457.7	4.6
90°-180°	1618.0	5.1
0°-180°	31773.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18485	
5°	18434	###
15°	17865	5042
25°	16772	7683
35°	12290	7538
45°	4967	3894
55°	1589	1483
65°	1233	1216
75°	956	999
85°	503	461
90°	264	160
95°	272	223
105°	281	297
115°	280	278
125°	270	242
135°	255	197
145°	236	149
155°	212	98
165°	170	49
175°	146	14
180°	145	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18485.3
2.5°	18455.7
5°	18433.5
7.5°	18339.4
10°	18202.0
12.5°	18042.3
15°	17864.7
17.5°	17628.9
20°	17366.7
22.5°	17082.3
25°	16772.5
27.5°	16365.5
30°	15391.8
32.5°	13967.6
35°	12289.7
37.5°	10405.7
40°	8374.6
42.5°	6587.9
45°	4967.1
47.5°	3548.2
50°	2309.1
52.5°	1833.3
55°	1589.1
57.5°	1410.4
60°	1323.7
62.5°	1274.0
65°	1232.8
67.5°	1178.9
70°	1113.3
72.5°	1039.3
75°	955.8
77.5°	858.5
80°	747.5
82.5°	628.0
85°	503.3
87.5°	374.3
90°	264.3
92.5°	267.5
95°	271.7
97.5°	274.9
100°	277.0
102.5°	279.1
105°	281.2
107.5°	281.2
110°	282.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	281.2
115°	280.2
117.5°	278.1
120°	275.9
122.5°	272.8
125°	269.6
127.5°	266.4
130°	263.3
132.5°	258.0
135°	254.8
137.5°	250.6
140°	245.3
142.5°	241.1
145°	235.8
147.5°	231.5
150°	226.3
152.5°	218.9
155°	211.5
157.5°	201.9
160°	192.4
162.5°	180.8
165°	170.2
167.5°	159.6
170°	149.1
172.5°	145.9
175°	145.9
177.5°	144.8
180°	144.8

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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	14.61	15.80	15.07	16.22	16.67	14.61	15.80	15.07	16.22	16.67
	3H	16.88	17.94	17.35	18.37	18.87	16.88	17.94	17.35	18.37	18.87
	4H	17.85	18.84	18.34	19.29	19.80	17.85	18.84	18.34	19.29	19.80
	6H	18.64	19.55	19.14	20.02	20.54	18.64	19.55	19.14	20.02	20.54
	8H	18.93	19.79	19.45	20.28	20.81	18.93	19.79	19.45	20.28	20.81
	12H	19.15	19.97	19.67	20.46	21.01	19.15	19.97	19.67	20.46	21.01
4H	2H	15.23	16.22	15.72	16.68	17.18	15.23	16.22	15.72	16.68	17.18
	3H	17.70	18.52	18.20	19.03	19.55	17.70	18.52	18.20	19.03	19.55
	4H	18.80	19.54	19.32	20.05	20.62	18.80	19.54	19.32	20.05	20.62
	6H	19.72	20.37	20.27	20.91	21.49	19.72	20.37	20.27	20.91	21.49
	8H	20.07	20.67	20.62	21.21	21.80	20.07	20.67	20.62	21.21	21.80
	12H	20.35	20.88	20.92	21.45	22.04	20.35	20.88	20.92	21.45	22.04
8H	4H	19.13	19.73	19.68	20.27	20.86	19.13	19.73	19.68	20.27	20.86
	6H	20.20	20.69	20.78	21.28	21.88	20.20	20.69	20.78	21.28	21.88
	8H	20.64	21.08	21.24	21.68	22.29	20.64	21.08	21.24	21.68	22.29
	12H	21.02	21.41	21.62	21.99	22.68	21.02	21.41	21.62	21.99	22.68
12H	4H	19.16	19.70	19.73	20.27	20.86	19.16	19.70	19.73	20.27	20.86
	6H	20.27	20.71	20.87	21.31	21.92	20.27	20.71	20.87	21.31	21.92
	8H	20.77	21.16	21.37	21.75	22.43	20.77	21.16	21.37	21.75	22.43