

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: P1221427

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L24_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221427
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L24_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

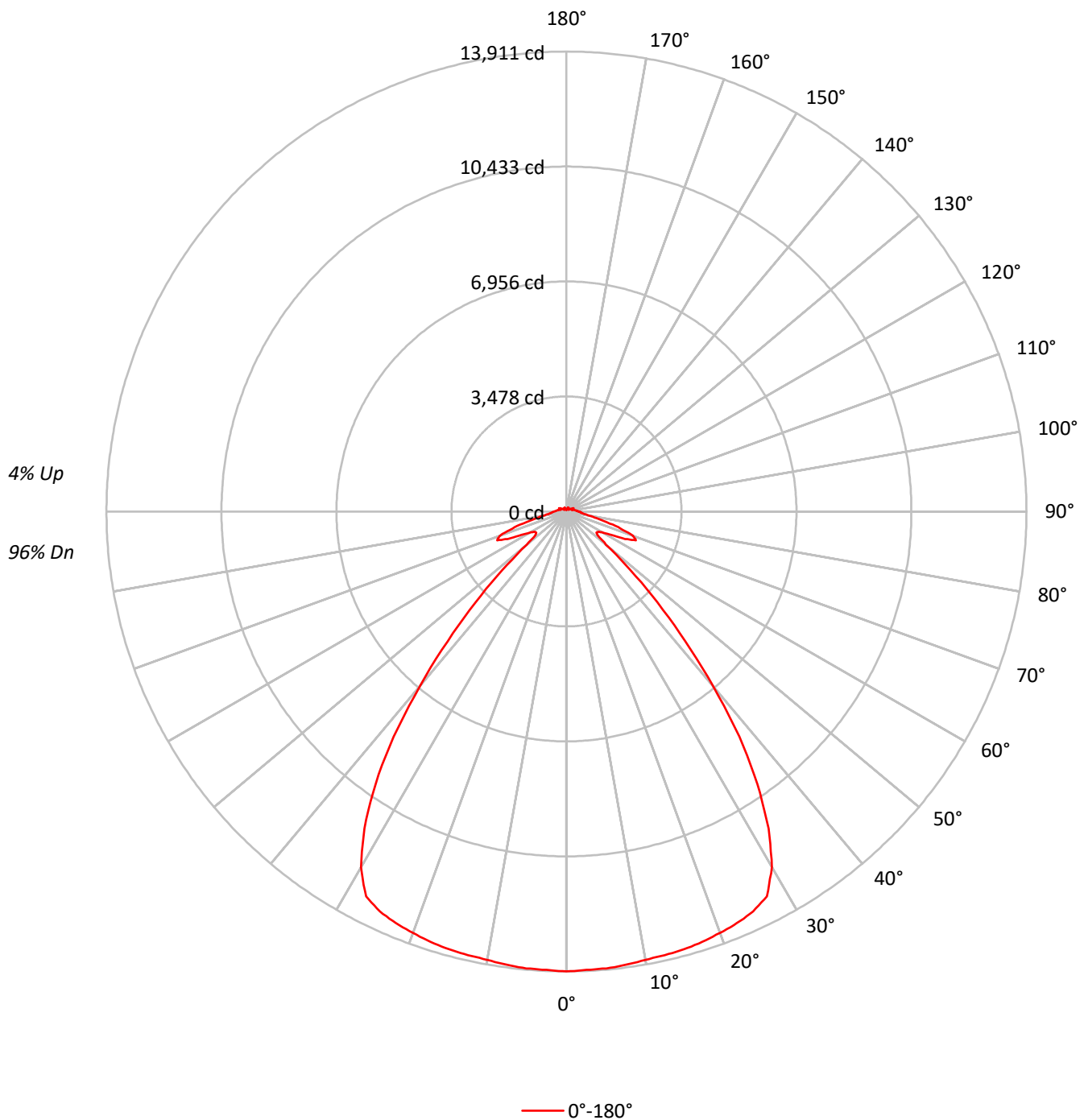
Lumens per Lamp: N/A
Luminaire Lumens: 26480.7 lumens
Efficiency: N/A
Efficacy: 171.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 154.6
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	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	109	105	101	98	106	102	99	96	98	95	92	93	91	89	89	87	86	86	86	86	86	83			
2	101	94	88	83	98	92	87	82	88	83	80	84	80	77	81	78	75	75	75	75	75	73			
3	94	85	78	73	91	83	77	72	80	74	70	77	72	68	74	70	67	67	67	67	67	64			
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	60	60	60	60	58			
5	82	71	63	57	79	69	62	57	67	61	56	65	59	55	62	58	54	54	54	54	54	52			
6	76	65	57	52	74	64	56	51	62	55	50	60	54	50	58	53	49	49	49	49	49	47			
7	72	60	52	47	70	59	52	46	57	51	46	55	50	45	54	49	45	45	45	45	45	43			
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	41	41	41	41	39			
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	35	35	35	35	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80218
5°	76387
10°	73084
15°	70779
20°	68641
25°	66743
30°	61839
35°	50302
40°	34733
45°	19986
50°	8250
55°	6080
60°	7293
65°	11881
70°	13804
75°	8905
80°	5204
85°	3924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19986 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1320.8	5.0
10°-20°	3879.2	14.6
20°-30°	6114.6	23.1
30°-40°	6164.3	23.3
40°-50°	3050.0	11.5
50°-60°	1088.5	4.1
60°-70°	1859.5	7.0
70°-80°	1401.9	5.3
80°-90°	522.0	2.0
90°-100°	328.7	1.2
100°-110°	211.0	0.8
110°-120°	211.7	0.8
120°-130°	102.5	0.4
130°-140°	70.3	0.3
140°-150°	75.7	0.3
150°-160°	53.1	0.2
160°-170°	22.1	0.1
170°-180°	4.6	0.0
0°-30°	11314.6	42.7
0°-40°	17478.9	66.0
0°-60°	21617.5	81.6
0°-90°	25400.9	95.9
90°-120°	751.5	2.8
90°-150°	1000.0	3.8
90°-180°	1080.0	4.1
0°-180°	26480.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13911	
5°	13872	###
15°	13715	3879
25°	13352	6115
35°	10073	6164
45°	3885	3050
55°	1110	1089
65°	1963	1860
75°	1272	1402
85°	456	416
90°	361	201
95°	300	234
105°	177	211
115°	226	212
125°	109	102
135°	88	70
145°	123	76
155°	117	53
165°	75	22
175°	46	5
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13911.4
2.5°	13881.3
5°	13872.1
7.5°	13832.8
10°	13769.2
12.5°	13742.4
15°	13714.8
17.5°	13652.9
20°	13567.6
22.5°	13480.6
25°	13351.8
27.5°	13126.0
30°	12424.2
32.5°	11374.4
35°	10072.8
37.5°	8584.7
40°	6879.2
42.5°	5318.3
45°	3884.6
47.5°	2622.3
50°	1560.9
52.5°	1190.3
55°	1110.0
57.5°	1144.3
60°	1273.1
62.5°	1523.2
65°	1963.2
67.5°	2274.4
70°	2134.7
72.5°	1723.1
75°	1272.3
77.5°	921.8
80°	676.7
82.5°	526.1
85°	455.9
87.5°	414.1
90°	361.4
92.5°	327.1
95°	299.5
97.5°	276.0
100°	242.6
102.5°	200.8
105°	177.3
107.5°	188.2
110°	220.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	238.4
115°	225.8
117.5°	195.7
120°	163.1
122.5°	133.0
125°	108.7
127.5°	90.3
130°	80.3
132.5°	79.5
135°	87.8
137.5°	101.2
140°	112.9
142.5°	120.5
145°	123.0
147.5°	122.1
150°	121.3
152.5°	119.6
155°	117.1
157.5°	109.6
160°	98.7
162.5°	87.0
165°	75.3
167.5°	63.6
170°	53.5
172.5°	48.5
175°	46.0
177.5°	45.2
180°	45.2

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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	13.85	15.11	14.28	15.51	15.93	13.85	15.11	14.28	15.51	15.93
	3H	20.21	21.36	20.66	21.77	22.24	20.21	21.36	20.66	21.77	22.24
	4H	21.13	22.20	21.60	22.64	23.12	21.13	22.20	21.60	22.64	23.12
	6H	21.49	22.48	21.97	22.93	23.43	21.49	22.48	21.97	22.93	23.43
	8H	21.58	22.52	22.08	22.99	23.50	21.58	22.52	22.08	22.99	23.50
	12H	21.65	22.55	22.15	23.02	23.55	21.65	22.55	22.15	23.02	23.55
4H	2H	16.04	17.11	16.51	17.55	18.03	16.04	17.11	16.51	17.55	18.03
	3H	21.34	22.24	21.82	22.72	23.22	21.34	22.24	21.82	22.72	23.22
	4H	22.24	23.05	22.74	23.55	24.09	22.24	23.05	22.74	23.55	24.09
	6H	22.64	23.36	23.17	23.88	24.43	22.64	23.36	23.17	23.88	24.43
	8H	22.75	23.42	23.28	23.94	24.50	22.75	23.42	23.28	23.94	24.50
	12H	22.85	23.44	23.40	23.99	24.56	22.85	23.44	23.40	23.99	24.56
8H	4H	22.48	23.15	23.02	23.67	24.23	22.48	23.15	23.02	23.67	24.23
	6H	22.95	23.50	23.52	24.07	24.64	22.95	23.50	23.52	24.07	24.64
	8H	23.11	23.60	23.69	24.18	24.76	23.11	23.60	23.69	24.18	24.76
	12H	23.27	23.70	23.85	24.27	24.92	23.27	23.70	23.85	24.27	24.92
12H	4H	22.47	23.07	23.03	23.62	24.19	22.47	23.07	23.03	23.62	24.19
	6H	22.96	23.45	23.54	24.03	24.61	22.96	23.45	23.54	24.03	24.61
	8H	23.15	23.58	23.73	24.15	24.80	23.15	23.58	23.73	24.15	24.80