

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: P1221420

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (5000K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221420
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-27)
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 (5000K_L24_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

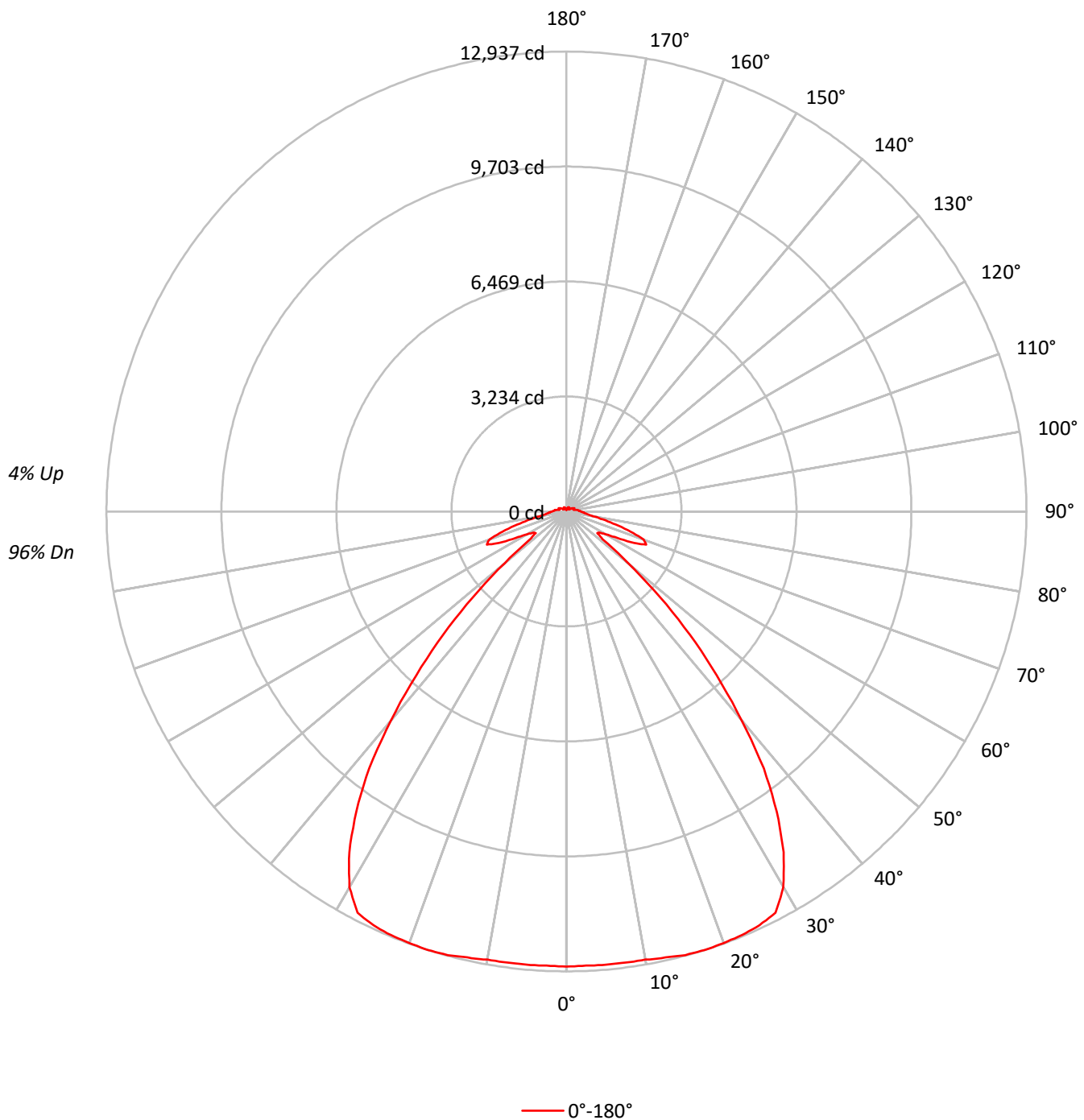
Lumens per Lamp: N/A
Luminaire Lumens: 27307.1 lumens
Efficiency: N/A
Efficacy: 176.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.21
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	88	87	85	83		
2	101	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74	72		
3	93	84	77	71	91	82	76	70	79	73	69	76	71	67	73	69	65	63		
4	87	76	68	63	84	75	67	62	72	66	61	69	64	59	66	62	58	56		
5	81	69	61	56	78	68	61	55	66	59	54	63	58	53	61	56	52	50		
6	75	63	56	50	73	62	55	50	60	54	49	58	52	48	56	51	47	45		
7	70	58	51	45	69	57	50	45	56	49	44	54	48	44	52	47	43	41		
8	66	54	46	41	64	53	46	41	51	45	40	50	44	40	49	43	39	38		
9	62	50	43	37	61	49	42	37	48	41	37	46	41	37	45	40	36	34		
10	58	46	39	34	57	46	39	34	45	38	34	43	38	34	42	37	33	32		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73827
5°	70487
10°	67956
15°	66663
20°	65364
25°	64195
30°	60742
35°	51482
40°	38733
45°	25259
50°	11967
55°	5763
60°	7320
65°	12725
70°	14909
75°	9997
80°	5889
85°	4365

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25259 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1221.7	4.5
10°-20°	3656.5	13.4
20°-30°	5897.7	21.6
30°-40°	6341.5	23.2
40°-50°	3756.7	13.8
50°-60°	1163.1	4.3
60°-70°	1974.6	7.2
70°-80°	1554.2	5.7
80°-90°	583.5	2.1
90°-100°	368.0	1.3
100°-110°	228.7	0.8
110°-120°	216.7	0.8
120°-130°	104.9	0.4
130°-140°	72.8	0.3
140°-150°	81.0	0.3
150°-160°	56.4	0.2
160°-170°	24.0	0.1
170°-180°	5.0	0.0
0°-30°	10775.9	39.5
0°-40°	17117.4	62.7
0°-60°	22037.3	80.7
0°-90°	26149.5	95.8
90°-120°	813.4	3.0
90°-150°	1072.0	3.9
90°-180°	1158.0	4.2
0°-180°	27307.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12803	
5°	12801	###
15°	12917	3657
25°	12842	5898
35°	10309	6341
45°	4910	3757
55°	1052	1163
65°	2103	1975
75°	1428	1554
85°	507	465
90°	402	223
95°	336	263
105°	194	229
115°	231	217
125°	111	105
135°	90	73
145°	132	81
155°	123	56
165°	82	24
175°	50	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12803.1
2.5°	12787.1
5°	12800.6
7.5°	12798.9
10°	12803.1
12.5°	12853.8
15°	12917.2
17.5°	12936.7
20°	12919.8
22.5°	12899.5
25°	12842.0
27.5°	12729.6
30°	12203.9
32.5°	11366.4
35°	10309.1
37.5°	9117.4
40°	7671.4
42.5°	6253.2
45°	4909.5
47.5°	3567.4
50°	2264.1
52.5°	1277.9
55°	1052.2
57.5°	1113.1
60°	1277.9
62.5°	1600.7
65°	2102.7
67.5°	2429.0
70°	2305.6
72.5°	1894.0
75°	1428.3
77.5°	1042.1
80°	765.7
82.5°	590.8
85°	507.1
87.5°	458.9
90°	402.3
92.5°	366.8
95°	336.4
97.5°	308.5
100°	271.3
102.5°	224.8
105°	193.5
107.5°	196.9
110°	226.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	243.4
115°	230.7
117.5°	200.3
120°	167.3
122.5°	136.1
125°	110.7
127.5°	93.0
130°	82.0
132.5°	81.1
135°	90.4
137.5°	105.6
140°	120.0
142.5°	129.3
145°	131.8
147.5°	131.0
150°	128.5
152.5°	126.8
155°	123.4
157.5°	117.5
160°	106.5
162.5°	95.5
165°	82.0
167.5°	69.3
170°	58.3
172.5°	52.4
175°	49.9
177.5°	49.0
180°	49.0

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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	13.51	14.81	13.95	15.22	15.64	13.51	14.81	13.95	15.22	15.64
	3H	20.45	21.63	20.91	22.05	22.52	20.45	21.63	20.91	22.05	22.52
	4H	21.46	22.57	21.94	23.00	23.49	21.46	22.57	21.94	23.00	23.49
	6H	21.87	22.89	22.36	23.35	23.84	21.87	22.89	22.36	23.35	23.84
	8H	21.97	22.95	22.47	23.42	23.93	21.97	22.95	22.47	23.42	23.93
	12H	22.06	22.99	22.56	23.45	23.99	22.06	22.99	22.56	23.45	23.99
4H	2H	16.05	17.16	16.53	17.60	18.08	16.05	17.16	16.53	17.60	18.08
	3H	21.64	22.57	22.12	23.05	23.56	21.64	22.57	22.12	23.05	23.56
	4H	22.62	23.46	23.13	23.96	24.50	22.62	23.46	23.13	23.96	24.50
	6H	23.08	23.81	23.60	24.33	24.89	23.08	23.81	23.60	24.33	24.89
	8H	23.19	23.88	23.73	24.40	24.97	23.19	23.88	23.73	24.40	24.97
	12H	23.30	23.92	23.86	24.47	25.04	23.30	23.92	23.86	24.47	25.04
8H	4H	22.90	23.58	23.43	24.11	24.67	22.90	23.58	23.43	24.11	24.67
	6H	23.41	23.98	23.98	24.55	25.12	23.41	23.98	23.98	24.55	25.12
	8H	23.58	24.09	24.16	24.67	25.26	23.58	24.09	24.16	24.67	25.26
	12H	23.76	24.20	24.34	24.77	25.43	23.76	24.20	24.34	24.77	25.43
12H	4H	22.89	23.50	23.44	24.06	24.63	22.89	23.50	23.44	24.06	24.63
	6H	23.42	23.93	24.01	24.51	25.10	23.42	23.93	24.01	24.51	25.10
	8H	23.63	24.08	24.21	24.65	25.31	23.63	24.08	24.21	24.65	25.31

END OF REPORT