

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: P1221428

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L24_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221428
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-25)
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_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

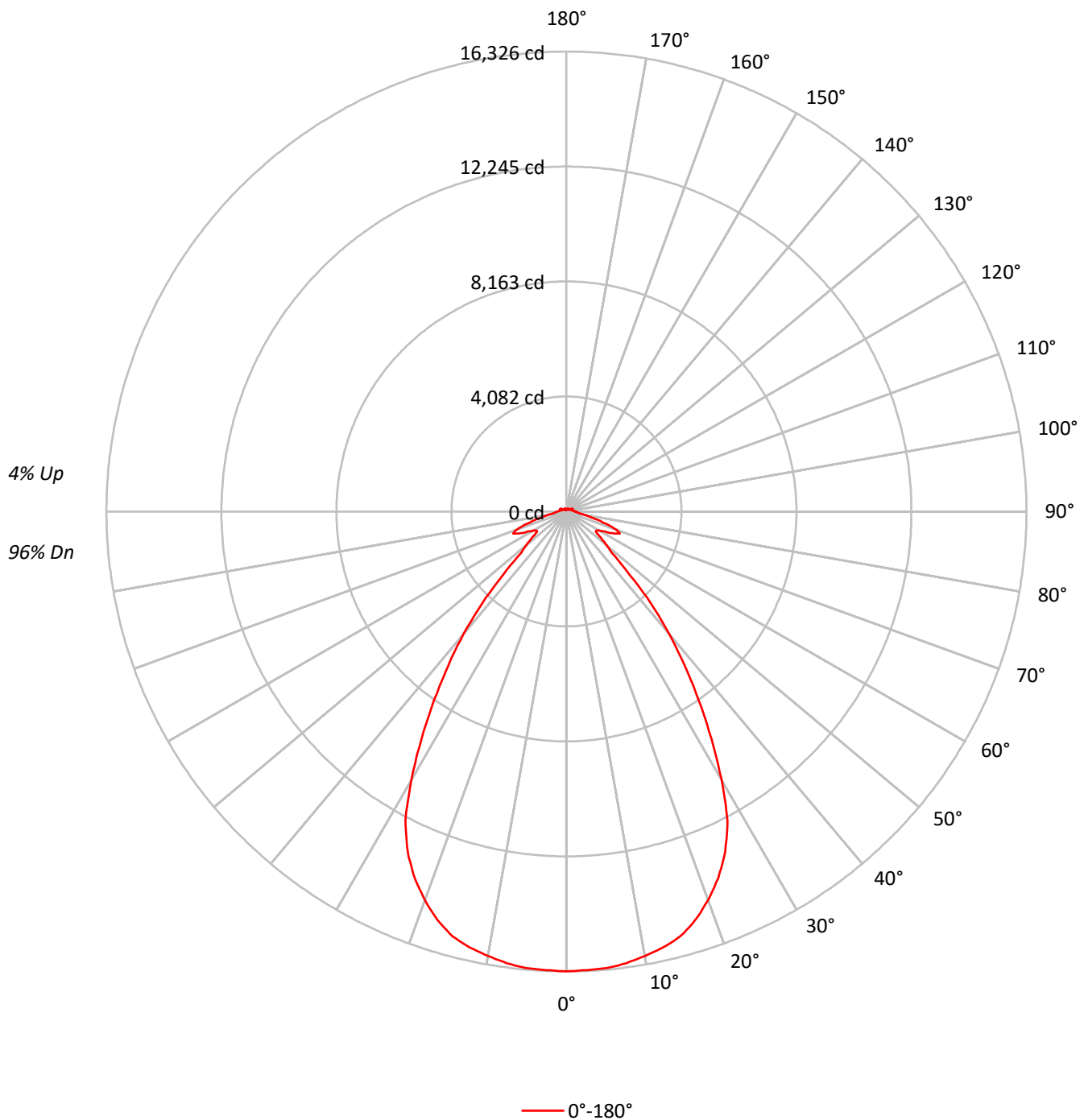
Lumens per Lamp: N/A
Luminaire Lumens: 25354.6 lumens
Efficiency: N/A
Efficacy: 164.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	110	106	102	99	107	103	100	97	98	95	93	94	91	90	89	88	86	84		
2	102	95	89	84	99	93	88	83	89	84	81	85	81	78	81	79	76	74		
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	66		
4	88	78	71	65	86	77	70	65	74	68	64	71	66	62	69	65	61	59		
5	83	72	64	59	80	71	64	58	68	62	57	66	61	57	64	59	56	54		
6	78	66	59	53	76	65	58	53	63	57	52	61	56	52	59	55	51	49		
7	73	61	54	49	71	60	53	48	59	52	48	57	51	47	55	50	47	45		
8	69	57	50	45	67	56	49	44	55	48	44	53	48	44	52	47	43	41		
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	38		
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94138
5°	89630
10°	85032
15°	80583
20°	74312
25°	66660
30°	54844
35°	40865
40°	28605
45°	16315
50°	9820
55°	6964
60°	7767
65°	11264
70°	12111
75°	7710
80°	4503
85°	3362

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16315 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1545.1	6.1
10°-20°	4377.6	17.3
20°-30°	6044.0	23.8
30°-40°	5111.9	20.2
40°-50°	2581.3	10.2
50°-60°	1268.7	5.0
60°-70°	1760.4	6.9
70°-80°	1217.0	4.8
80°-90°	447.2	1.8
90°-100°	280.5	1.1
100°-110°	197.3	0.8
110°-120°	214.3	0.8
120°-130°	101.4	0.4
130°-140°	64.9	0.3
140°-150°	68.6	0.3
150°-160°	48.9	0.2
160°-170°	20.6	0.1
170°-180°	4.8	0.0
0°-30°	11966.8	47.2
0°-40°	17078.7	67.4
0°-60°	20928.6	82.5
0°-90°	24353.3	96.1
90°-120°	692.1	2.7
90°-150°	927.0	3.7
90°-180°	1001.0	3.9
0°-180°	25354.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16326	
5°	16277	###
15°	15614	4378
25°	13335	6044
35°	8183	5112
45°	3171	2581
55°	1271	1269
65°	1861	1760
75°	1102	1217
85°	391	357
90°	305	170
95°	256	201
105°	168	197
115°	228	214
125°	107	101
135°	81	65
145°	111	69
155°	107	49
165°	70	21
175°	49	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16325.5
2.5°	16295.4
5°	16277.0
7.5°	16175.8
10°	16020.2
12.5°	15858.7
15°	15614.5
17.5°	15213.0
20°	14688.5
22.5°	14081.2
25°	13335.1
27.5°	12378.2
30°	11018.9
32.5°	9568.4
35°	8183.2
37.5°	6874.2
40°	5665.4
42.5°	4438.3
45°	3171.1
47.5°	2184.9
50°	1857.8
52.5°	1545.0
55°	1271.4
57.5°	1253.9
60°	1355.9
62.5°	1546.6
65°	1861.2
67.5°	2053.5
70°	1872.9
72.5°	1492.3
75°	1101.6
77.5°	798.0
80°	585.5
82.5°	453.4
85°	390.6
87.5°	351.3
90°	305.3
92.5°	277.7
95°	256.0
97.5°	236.7
100°	210.0
102.5°	179.0
105°	168.1
107.5°	183.2
110°	221.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	244.3
115°	228.4
117.5°	196.6
120°	163.1
122.5°	132.2
125°	107.1
127.5°	88.7
130°	78.6
132.5°	76.1
135°	81.1
137.5°	90.3
140°	99.5
142.5°	107.1
145°	111.3
147.5°	112.9
150°	112.9
152.5°	111.3
155°	107.1
157.5°	99.5
160°	90.3
162.5°	80.3
165°	70.3
167.5°	61.1
170°	52.7
172.5°	50.2
175°	49.4
177.5°	48.5
180°	48.5

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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	14.64	15.89	15.08	16.29	16.71	14.64	15.89	15.08	16.29	16.71
	3H	19.85	20.98	20.30	21.39	21.86	19.85	20.98	20.30	21.39	21.86
	4H	20.66	21.72	21.13	22.15	22.63	20.66	21.72	21.13	22.15	22.63
	6H	20.98	21.95	21.46	22.40	22.89	20.98	21.95	21.46	22.40	22.89
	8H	21.05	21.98	21.55	22.45	22.95	21.05	21.98	21.55	22.45	22.95
	12H	21.11	22.00	21.61	22.46	22.99	21.11	22.00	21.61	22.46	22.99
4H	2H	16.39	17.45	16.86	17.88	18.36	16.39	17.45	16.86	17.88	18.36
	3H	20.91	21.80	21.39	22.28	22.78	20.91	21.80	21.39	22.28	22.78
	4H	21.71	22.52	22.22	23.01	23.55	21.71	22.52	22.22	23.01	23.55
	6H	22.08	22.78	22.61	23.30	23.85	22.08	22.78	22.61	23.30	23.85
	8H	22.17	22.83	22.71	23.35	23.91	22.17	22.83	22.71	23.35	23.91
	12H	22.26	22.84	22.81	23.39	23.96	22.26	22.84	22.81	23.39	23.96
8H	4H	21.93	22.58	22.46	23.10	23.66	21.93	22.58	22.46	23.10	23.66
	6H	22.36	22.89	22.92	23.46	24.03	22.36	22.89	22.92	23.46	24.03
	8H	22.50	22.97	23.08	23.55	24.14	22.50	22.97	23.08	23.55	24.14
	12H	22.65	23.06	23.22	23.63	24.28	22.65	23.06	23.22	23.63	24.28
12H	4H	21.92	22.50	22.47	23.05	23.61	21.92	22.50	22.47	23.05	23.61
	6H	22.36	22.84	22.94	23.42	24.00	22.36	22.84	22.94	23.42	24.00
	8H	22.54	22.95	23.11	23.52	24.17	22.54	22.95	23.11	23.52	24.17