

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: P1221402

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221402
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 (3500K_L24_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

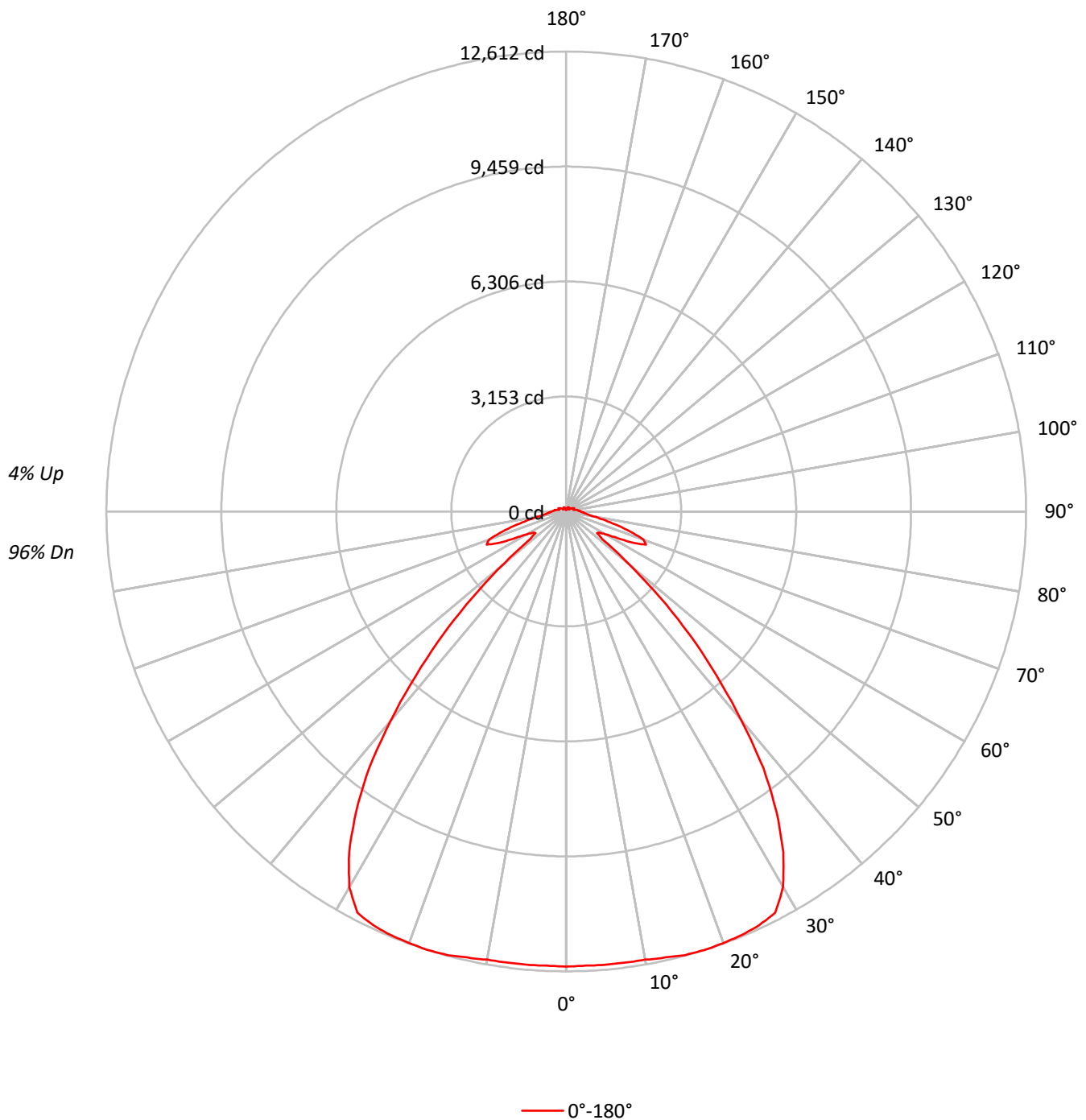
Lumens per Lamp: N/A
Luminaire Lumens: 26621.0 lumens
Efficiency: N/A
Efficacy: 172.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.21
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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				0
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°	71972
5°	68716
10°	66249
15°	64988
20°	63721
25°	62582
30°	59216
35°	50188
40°	37760
45°	24624
50°	11667
55°	5619
60°	7136
65°	12406
70°	14534
75°	9745
80°	5741
85°	4255

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24624 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1191.0	4.5
10°-20°	3564.6	13.4
20°-30°	5749.5	21.6
30°-40°	6182.2	23.2
40°-50°	3662.3	13.8
50°-60°	1133.9	4.3
60°-70°	1924.9	7.2
70°-80°	1515.1	5.7
80°-90°	568.8	2.1
90°-100°	358.7	1.3
100°-110°	223.0	0.8
110°-120°	211.2	0.8
120°-130°	102.2	0.4
130°-140°	71.0	0.3
140°-150°	79.0	0.3
150°-160°	55.0	0.2
160°-170°	23.4	0.1
170°-180°	4.9	0.0
0°-30°	10505.2	39.5
0°-40°	16687.4	62.7
0°-60°	21483.7	80.7
0°-90°	25492.5	95.8
90°-120°	793.0	3.0
90°-150°	1045.2	3.9
90°-180°	1128.0	4.2
0°-180°	26621.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12482	
5°	12479	###
15°	12593	3565
25°	12519	5750
35°	10050	6182
45°	4786	3662
55°	1026	1134
65°	2050	1925
75°	1392	1515
85°	494	454
90°	392	218
95°	328	256
105°	189	223
115°	225	211
125°	108	102
135°	88	71
145°	128	79
155°	120	55
165°	80	23
175°	49	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12481.5
2.5°	12465.8
5°	12479.0
7.5°	12477.4
10°	12481.5
12.5°	12530.9
15°	12592.7
17.5°	12611.7
20°	12595.2
22.5°	12575.4
25°	12519.4
27.5°	12409.8
30°	11897.3
32.5°	11080.8
35°	10050.1
37.5°	8888.4
40°	7478.7
42.5°	6096.1
45°	4786.1
47.5°	3477.7
50°	2207.3
52.5°	1245.8
55°	1025.8
57.5°	1085.1
60°	1245.8
62.5°	1560.5
65°	2049.9
67.5°	2367.9
70°	2247.6
72.5°	1846.4
75°	1392.4
77.5°	1015.9
80°	746.5
82.5°	575.9
85°	494.3
87.5°	447.4
90°	392.2
92.5°	357.6
95°	327.9
97.5°	300.7
100°	264.5
102.5°	219.2
105°	188.7
107.5°	192.0
110°	220.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	237.3
115°	224.9
117.5°	195.3
120°	163.1
122.5°	132.7
125°	107.9
127.5°	90.6
130°	79.9
132.5°	79.1
135°	88.2
137.5°	103.0
140°	117.0
142.5°	126.1
145°	128.5
147.5°	127.7
150°	125.2
152.5°	123.6
155°	120.3
157.5°	114.5
160°	103.8
162.5°	93.1
165°	79.9
167.5°	67.6
170°	56.9
172.5°	51.1
175°	48.6
177.5°	47.8
180°	47.8

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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	13.42	14.72	13.86	15.13	15.55	13.42	14.72	13.86	15.13	15.55
	3H	20.37	21.54	20.82	21.96	22.43	20.37	21.54	20.82	21.96	22.43
	4H	21.37	22.48	21.85	22.92	23.40	21.37	22.48	21.85	22.92	23.40
	6H	21.78	22.81	22.27	23.26	23.76	21.78	22.81	22.27	23.26	23.76
	8H	21.89	22.86	22.39	23.33	23.84	21.89	22.86	22.39	23.33	23.84
	12H	21.97	22.90	22.47	23.36	23.90	21.97	22.90	22.47	23.36	23.90
4H	2H	15.97	17.07	16.44	17.51	17.99	15.97	17.07	16.44	17.51	17.99
	3H	21.55	22.48	22.03	22.96	23.47	21.55	22.48	22.03	22.96	23.47
	4H	22.53	23.37	23.04	23.87	24.41	22.53	23.37	23.04	23.87	24.41
	6H	22.99	23.72	23.52	24.24	24.80	22.99	23.72	23.52	24.24	24.80
	8H	23.11	23.79	23.64	24.32	24.88	23.11	23.79	23.64	24.32	24.88
	12H	23.21	23.83	23.77	24.38	24.95	23.21	23.83	23.77	24.38	24.95
8H	4H	22.81	23.49	23.34	24.02	24.58	22.81	23.49	23.34	24.02	24.58
	6H	23.32	23.89	23.89	24.46	25.04	23.32	23.89	23.89	24.46	25.04
	8H	23.49	24.00	24.08	24.58	25.17	23.49	24.00	24.08	24.58	25.17
	12H	23.67	24.11	24.25	24.68	25.34	23.67	24.11	24.25	24.68	25.34
12H	4H	22.80	23.41	23.35	23.97	24.54	22.80	23.41	23.35	23.97	24.54
	6H	23.33	23.84	23.92	24.42	25.01	23.33	23.84	23.92	24.42	25.01
	8H	23.54	23.99	24.12	24.56	25.22	23.54	23.99	24.12	24.56	25.22

END OF REPORT