

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: P1221501

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (4000K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221501
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

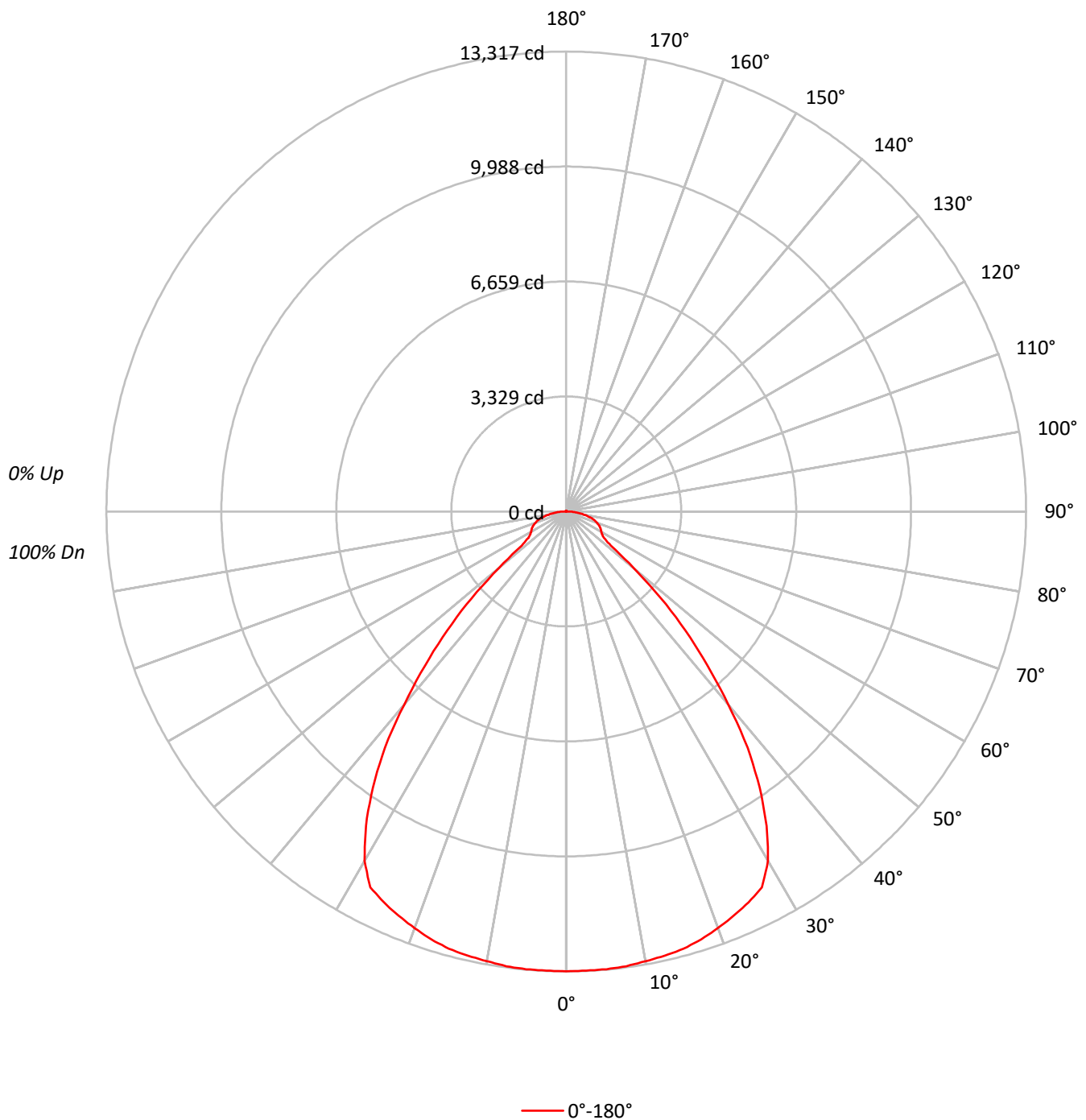
Lumens per Lamp: N/A
Luminaire Lumens: 24017.7 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88					88			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78					78			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	61	57	53	51					51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42					42			
9	65	53	46	41	64	53	46	41	51	45	41	50	45	41	49	44	40	39					39			
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76788
5°	73269
10°	70191
15°	67656
20°	64953
25°	62444
30°	58149
35°	48779
40°	36874
45°	25124
50°	13437
55°	7289
60°	6727
65°	6541
70°	6107
75°	5302
80°	3949
85°	2152

MAXIMUM LUMINANCE 45°-90°:

Luminance: 25124 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1267.5	5.3
10°-20°	3701.6	15.4
20°-30°	5737.9	23.9
30°-40°	6021.9	25.1
40°-50°	3738.3	15.6
50°-60°	1344.3	5.6
60°-70°	1063.0	4.4
70°-80°	787.6	3.3
80°-90°	275.4	1.1
90°-100°	8.3	0.0
100°-110°	8.8	0.0
110°-120°	9.2	0.0
120°-130°	9.9	0.0
130°-140°	11.1	0.0
140°-150°	13.3	0.1
150°-160°	11.5	0.0
160°-170°	6.0	0.0
170°-180°	2.0	0.0
0°-30°	10707.1	44.6
0°-40°	16728.9	69.7
0°-60°	21811.6	90.8
0°-90°	23937.6	99.7
90°-120°	26.3	0.1
90°-150°	60.6	0.3
90°-180°	80.0	0.3
0°-180°	24017.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13317	
5°	13306	###
15°	13110	3702
25°	12492	5738
35°	9768	6022
45°	4883	3738
55°	1331	1344
65°	1081	1063
75°	758	788
85°	250	258
90°	8	19
95°	8	6
105°	8	9
115°	9	9
125°	11	10
135°	14	11
145°	21	13
155°	25	12
165°	21	6
175°	21	2
180°	24	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13316.7
2.5°	13304.9
5°	13305.8
7.5°	13280.5
10°	13224.1
12.5°	13174.5
15°	13109.7
17.5°	12994.3
20°	12838.6
22.5°	12673.6
25°	12491.8
27.5°	12278.0
30°	11682.9
32.5°	10798.2
35°	9767.8
37.5°	8624.7
40°	7303.2
42.5°	6044.7
45°	4883.1
47.5°	3715.6
50°	2542.1
52.5°	1618.7
55°	1330.8
57.5°	1229.8
60°	1174.3
62.5°	1129.6
65°	1080.8
67.5°	1019.4
70°	944.5
72.5°	857.8
75°	757.6
77.5°	639.7
80°	513.5
82.5°	383.0
85°	250.0
87.5°	118.7
90°	7.6
92.5°	7.6
95°	7.6
97.5°	7.6
100°	7.6
102.5°	8.4
105°	8.4
107.5°	8.4
110°	8.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.3
115°	9.3
117.5°	9.3
120°	10.1
122.5°	10.1
125°	10.9
127.5°	11.8
130°	12.6
132.5°	13.5
135°	14.3
137.5°	15.2
140°	16.8
142.5°	19.4
145°	21.0
147.5°	23.6
150°	26.1
152.5°	26.1
155°	25.3
157.5°	23.6
160°	21.9
162.5°	21.0
165°	21.0
167.5°	21.0
170°	21.0
172.5°	21.0
175°	21.0
177.5°	22.7
180°	23.6

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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	14.80	16.10	15.17	16.42	16.75	14.80	16.10	15.17	16.42	16.75
	3H	17.02	18.18	17.40	18.52	18.89	17.02	18.18	17.40	18.52	18.89
	4H	17.86	18.95	18.27	19.30	19.70	17.86	18.95	18.27	19.30	19.70
	6H	18.44	19.44	18.86	19.82	20.22	18.44	19.44	18.86	19.82	20.22
	8H	18.60	19.55	19.04	19.95	20.36	18.60	19.55	19.04	19.95	20.36
	12H	18.68	19.59	19.12	19.98	20.42	18.68	19.59	19.12	19.98	20.42
4H	2H	15.45	16.53	15.86	16.89	17.28	15.45	16.53	15.86	16.89	17.28
	3H	17.84	18.73	18.26	19.14	19.55	17.84	18.73	18.26	19.14	19.55
	4H	18.79	19.59	19.23	20.02	20.47	18.79	19.59	19.23	20.02	20.47
	6H	19.47	20.17	19.94	20.62	21.10	19.47	20.17	19.94	20.62	21.10
	8H	19.67	20.32	20.14	20.77	21.25	19.67	20.32	20.14	20.77	21.25
	12H	19.78	20.35	20.27	20.84	21.32	19.78	20.35	20.27	20.84	21.32
8H	4H	19.06	19.71	19.54	20.17	20.65	19.06	19.71	19.54	20.17	20.65
	6H	19.85	20.38	20.36	20.89	21.37	19.85	20.38	20.36	20.89	21.37
	8H	20.10	20.58	20.63	21.10	21.60	20.10	20.58	20.63	21.10	21.60
	12H	20.27	20.69	20.79	21.19	21.77	20.27	20.69	20.79	21.19	21.77
12H	4H	19.07	19.65	19.57	20.14	20.62	19.07	19.65	19.57	20.14	20.62
	6H	19.88	20.36	20.40	20.88	21.38	19.88	20.36	20.40	20.88	21.38
	8H	20.18	20.60	20.70	21.10	21.68	20.18	20.60	20.70	21.10	21.68

END OF REPORT