

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: P1221519

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221519
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 (6500K_L24_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

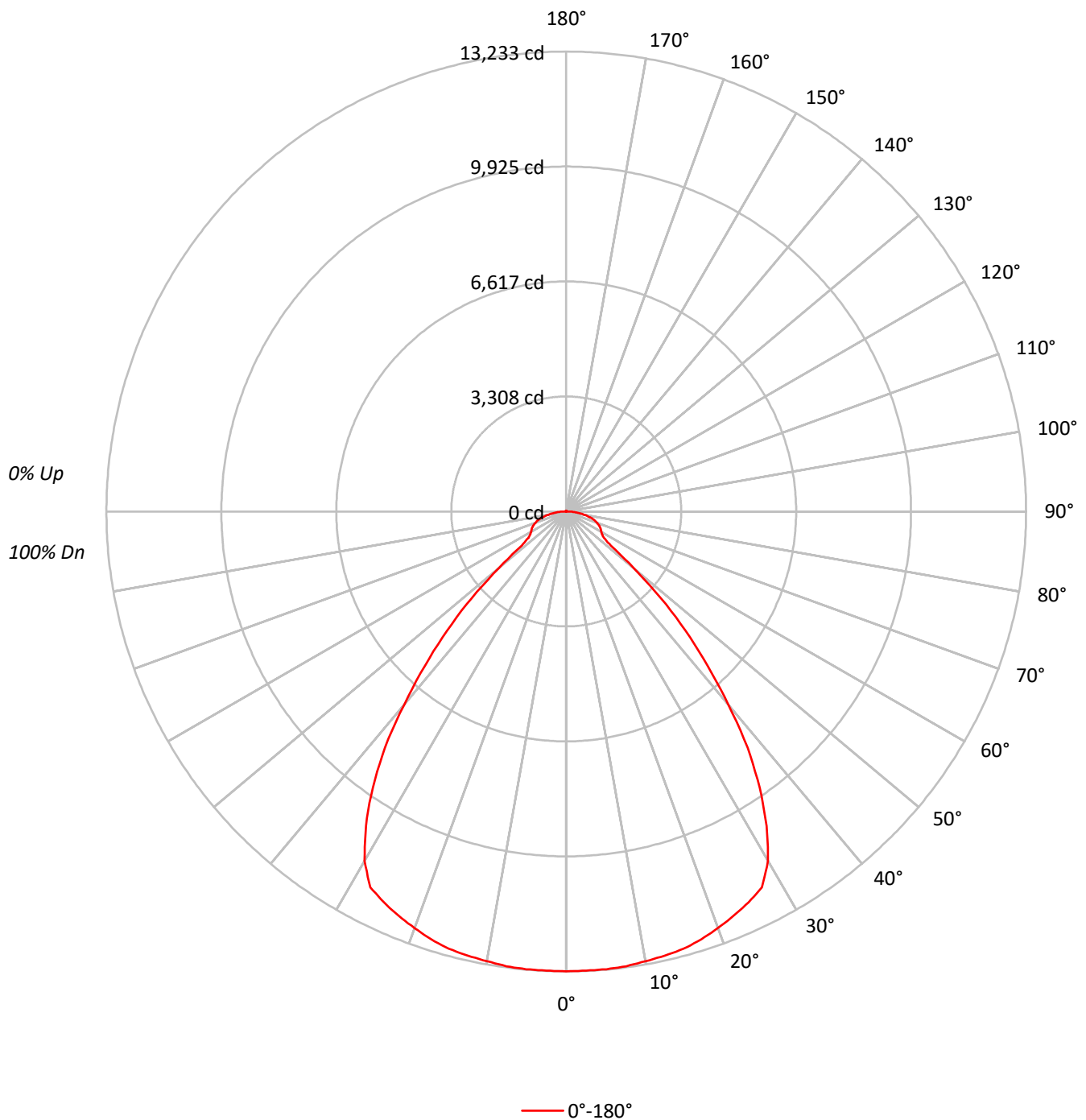
Lumens per Lamp: N/A
Luminaire Lumens: 23866.6 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76306
5°	72808
10°	69749
15°	67231
20°	64545
25°	62052
30°	57783
35°	48472
40°	36642
45°	24966
50°	13353
55°	7244
60°	6684
65°	6500
70°	6069
75°	5269
80°	3924
85°	2138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24966 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1259.6	5.3
10°-20°	3678.4	15.4
20°-30°	5701.9	23.9
30°-40°	5984.0	25.1
40°-50°	3714.8	15.6
50°-60°	1335.9	5.6
60°-70°	1056.3	4.4
70°-80°	782.6	3.3
80°-90°	273.7	1.1
90°-100°	8.2	0.0
100°-110°	8.8	0.0
110°-120°	9.1	0.0
120°-130°	9.8	0.0
130°-140°	11.1	0.0
140°-150°	13.2	0.1
150°-160°	11.4	0.0
160°-170°	6.0	0.0
170°-180°	2.0	0.0
0°-30°	10639.8	44.6
0°-40°	16623.8	69.7
0°-60°	21674.5	90.8
0°-90°	23787.1	99.7
90°-120°	26.1	0.1
90°-150°	60.1	0.3
90°-180°	80.0	0.3
0°-180°	23866.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13233	
5°	13222	###
15°	13027	3678
25°	12413	5702
35°	9706	5984
45°	4852	3715
55°	1322	1336
65°	1074	1056
75°	753	783
85°	248	256
90°	8	19
95°	8	6
105°	8	9
115°	9	9
125°	11	10
135°	14	11
145°	21	13
155°	25	11
165°	21	6
175°	21	2
180°	23	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13233.0
2.5°	13221.3
5°	13222.2
7.5°	13197.1
10°	13141.0
12.5°	13091.7
15°	13027.3
17.5°	12912.7
20°	12757.9
22.5°	12594.0
25°	12413.3
27.5°	12200.8
30°	11609.4
32.5°	10730.3
35°	9706.5
37.5°	8570.5
40°	7257.3
42.5°	6006.7
45°	4852.4
47.5°	3692.2
50°	2526.2
52.5°	1608.5
55°	1322.5
57.5°	1222.1
60°	1166.9
62.5°	1122.5
65°	1074.0
67.5°	1013.0
70°	938.5
72.5°	852.4
75°	752.8
77.5°	635.7
80°	510.2
82.5°	380.6
85°	248.4
87.5°	117.9
90°	7.5
92.5°	7.5
95°	7.5
97.5°	7.5
100°	7.5
102.5°	8.4
105°	8.4
107.5°	8.4
110°	8.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.2
115°	9.2
117.5°	9.2
120°	10.0
122.5°	10.0
125°	10.9
127.5°	11.7
130°	12.5
132.5°	13.4
135°	14.2
137.5°	15.1
140°	16.7
142.5°	19.2
145°	20.9
147.5°	23.4
150°	25.9
152.5°	25.9
155°	25.1
157.5°	23.4
160°	21.7
162.5°	20.9
165°	20.9
167.5°	20.9
170°	20.9
172.5°	20.9
175°	20.9
177.5°	22.6
180°	23.4

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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	14.78	16.08	15.15	16.40	16.72	14.78	16.08	15.15	16.40	16.72
	3H	17.00	18.16	17.38	18.49	18.87	17.00	18.16	17.38	18.49	18.87
	4H	17.84	18.92	18.25	19.28	19.67	17.84	18.92	18.25	19.28	19.67
	6H	18.42	19.42	18.84	19.80	20.20	18.42	19.42	18.84	19.80	20.20
	8H	18.58	19.53	19.02	19.92	20.34	18.58	19.53	19.02	19.92	20.34
	12H	18.66	19.57	19.10	19.96	20.39	18.66	19.57	19.10	19.96	20.39
4H	2H	15.42	16.51	15.83	16.87	17.26	15.42	16.51	15.83	16.87	17.26
	3H	17.82	18.71	18.23	19.12	19.53	17.82	18.71	18.23	19.12	19.53
	4H	18.77	19.57	19.21	20.00	20.45	18.77	19.57	19.21	20.00	20.45
	6H	19.45	20.15	19.92	20.60	21.07	19.45	20.15	19.92	20.60	21.07
	8H	19.65	20.30	20.12	20.75	21.23	19.65	20.30	20.12	20.75	21.23
	12H	19.76	20.33	20.25	20.82	21.30	19.76	20.33	20.25	20.82	21.30
8H	4H	19.04	19.69	19.52	20.15	20.62	19.04	19.69	19.52	20.15	20.62
	6H	19.83	20.36	20.33	20.86	21.35	19.83	20.36	20.33	20.86	21.35
	8H	20.08	20.56	20.61	21.08	21.58	20.08	20.56	20.61	21.08	21.58
	12H	20.25	20.67	20.77	21.17	21.75	20.25	20.67	20.77	21.17	21.75
12H	4H	19.05	19.63	19.54	20.12	20.60	19.05	19.63	19.54	20.12	20.60
	6H	19.86	20.34	20.38	20.86	21.36	19.86	20.34	20.38	20.86	21.36
	8H	20.16	20.58	20.68	21.08	21.66	20.16	20.58	20.68	21.08	21.66