

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: P1221465

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221465
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (5000K_L24_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

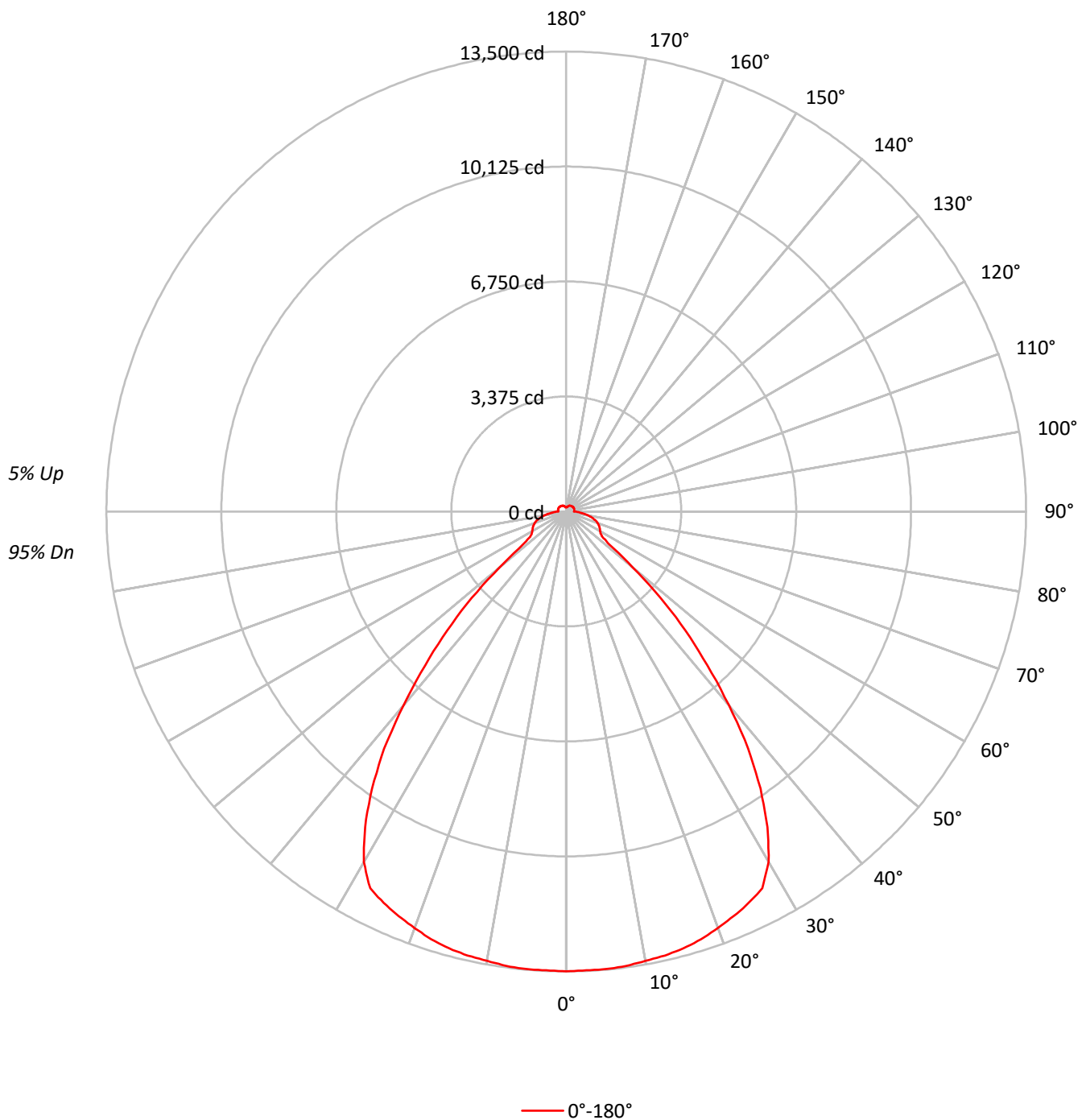
Lumens per Lamp: N/A
Luminaire Lumens: 25899.8 lumens
Efficiency: N/A
Efficacy: 167.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	97	97			
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	86	86	86	86	83			
2	102	95	90	85	99	93	88	84	89	84	81	85	81	78	81	78	76	76	76	76	76	74			
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	68	68	68	68	65			
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	61	61	61	61	59			
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	58	55	55	55	55	55	53			
6	77	66	58	53	75	64	57	52	62	56	51	60	55	51	58	53	50	50	50	50	50	48			
7	72	60	53	48	70	59	52	47	57	51	47	56	50	46	54	49	45	45	45	45	45	44			
8	68	56	48	43	66	55	48	43	53	47	43	52	46	42	50	45	41	41	41	41	41	40			
9	64	52	45	40	62	51	44	39	50	43	39	48	43	39	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	35	35	35	35	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77843
5°	74252
10°	71092
15°	68543
20°	65855
25°	63388
30°	59140
35°	49633
40°	37453
45°	25455
50°	13491
55°	7050
60°	6580
65°	6526
70°	6323
75°	5832
80°	4908
85°	3680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25455 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1284.3	5.0
10°-20°	3750.8	14.5
20°-30°	5824.2	22.5
30°-40°	6127.2	23.7
40°-50°	3788.0	14.6
50°-60°	1318.5	5.1
60°-70°	1062.9	4.1
70°-80°	870.0	3.4
80°-90°	467.2	1.8
90°-100°	257.4	1.0
100°-110°	258.1	1.0
110°-120°	241.6	0.9
120°-130°	211.0	0.8
130°-140°	171.4	0.7
140°-150°	128.8	0.5
150°-160°	84.4	0.3
160°-170°	42.1	0.2
170°-180°	12.0	0.0
0°-30°	10859.3	41.9
0°-40°	16986.4	65.6
0°-60°	22092.9	85.3
0°-90°	24493.0	94.6
90°-120°	757.2	2.9
90°-150°	1268.3	4.9
90°-180°	1407.0	5.4
0°-180°	25899.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13500	
5°	13484	###
15°	13282	3751
25°	12681	5824
35°	9939	6127
45°	4948	3788
55°	1287	1318
65°	1078	1063
75°	833	870
85°	428	392
90°	229	139
95°	236	194
105°	244	258
115°	243	242
125°	235	211
135°	221	171
145°	205	129
155°	183	84
165°	147	42
175°	125	12
180°	122	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13499.5
2.5°	13479.2
5°	13484.3
7.5°	13456.4
10°	13393.9
12.5°	13350.8
15°	13281.5
17.5°	13166.5
20°	13016.9
22.5°	12852.1
25°	12680.6
27.5°	12465.1
30°	11881.9
32.5°	10996.2
35°	9938.9
37.5°	8776.0
40°	7417.9
42.5°	6130.7
45°	4947.5
47.5°	3764.3
50°	2552.3
52.5°	1589.7
55°	1287.2
57.5°	1195.9
60°	1148.6
62.5°	1112.2
65°	1078.4
67.5°	1033.6
70°	977.8
72.5°	912.8
75°	833.3
77.5°	740.3
80°	638.1
82.5°	533.3
85°	427.6
87.5°	320.3
90°	229.0
92.5°	233.3
95°	235.8
97.5°	239.2
100°	241.7
102.5°	243.4
105°	244.2
107.5°	245.1
110°	245.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	245.1
115°	243.4
117.5°	242.6
120°	240.0
122.5°	238.3
125°	235.0
127.5°	232.4
130°	229.0
132.5°	224.8
135°	221.4
137.5°	217.2
140°	213.0
142.5°	208.8
145°	205.4
147.5°	200.3
150°	195.2
152.5°	189.3
155°	182.6
157.5°	174.1
160°	164.8
162.5°	156.4
165°	147.1
167.5°	136.9
170°	127.6
172.5°	125.1
175°	125.1
177.5°	123.4
180°	122.5

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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	14.12	15.34	14.58	15.77	16.22	14.12	15.34	14.58	15.77	16.22
	3H	16.51	17.60	16.98	18.04	18.54	16.51	17.60	16.98	18.04	18.54
	4H	17.50	18.52	18.00	18.98	19.50	17.50	18.52	18.00	18.98	19.50
	6H	18.29	19.23	18.79	19.70	20.23	18.29	19.23	18.79	19.70	20.23
	8H	18.57	19.46	19.09	19.96	20.49	18.57	19.46	19.09	19.96	20.49
	12H	18.78	19.63	19.30	20.12	20.68	18.78	19.63	19.30	20.12	20.68
4H	2H	14.80	15.82	15.29	16.28	16.79	14.80	15.82	15.29	16.28	16.79
	3H	17.37	18.22	17.88	18.73	19.26	17.37	18.22	17.88	18.73	19.26
	4H	18.48	19.25	19.01	19.77	20.34	18.48	19.25	19.01	19.77	20.34
	6H	19.39	20.06	19.95	20.60	21.19	19.39	20.06	19.95	20.60	21.19
	8H	19.73	20.35	20.29	20.89	21.49	19.73	20.35	20.29	20.89	21.49
	12H	19.99	20.55	20.57	21.12	21.72	19.99	20.55	20.57	21.12	21.72
8H	4H	18.82	19.44	19.38	19.99	20.58	18.82	19.44	19.38	19.99	20.58
	6H	19.87	20.38	20.45	20.97	21.57	19.87	20.38	20.45	20.97	21.57
	8H	20.29	20.75	20.90	21.36	21.97	20.29	20.75	20.90	21.36	21.97
	12H	20.66	21.07	21.26	21.66	22.35	20.66	21.07	21.26	21.66	22.35
12H	4H	18.85	19.41	19.43	19.98	20.58	18.85	19.41	19.43	19.98	20.58
	6H	19.93	20.40	20.54	21.00	21.62	19.93	20.40	20.54	21.00	21.62
	8H	20.42	20.83	21.02	21.42	22.10	20.42	20.83	21.02	21.42	22.10