

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: P1221447

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221447
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

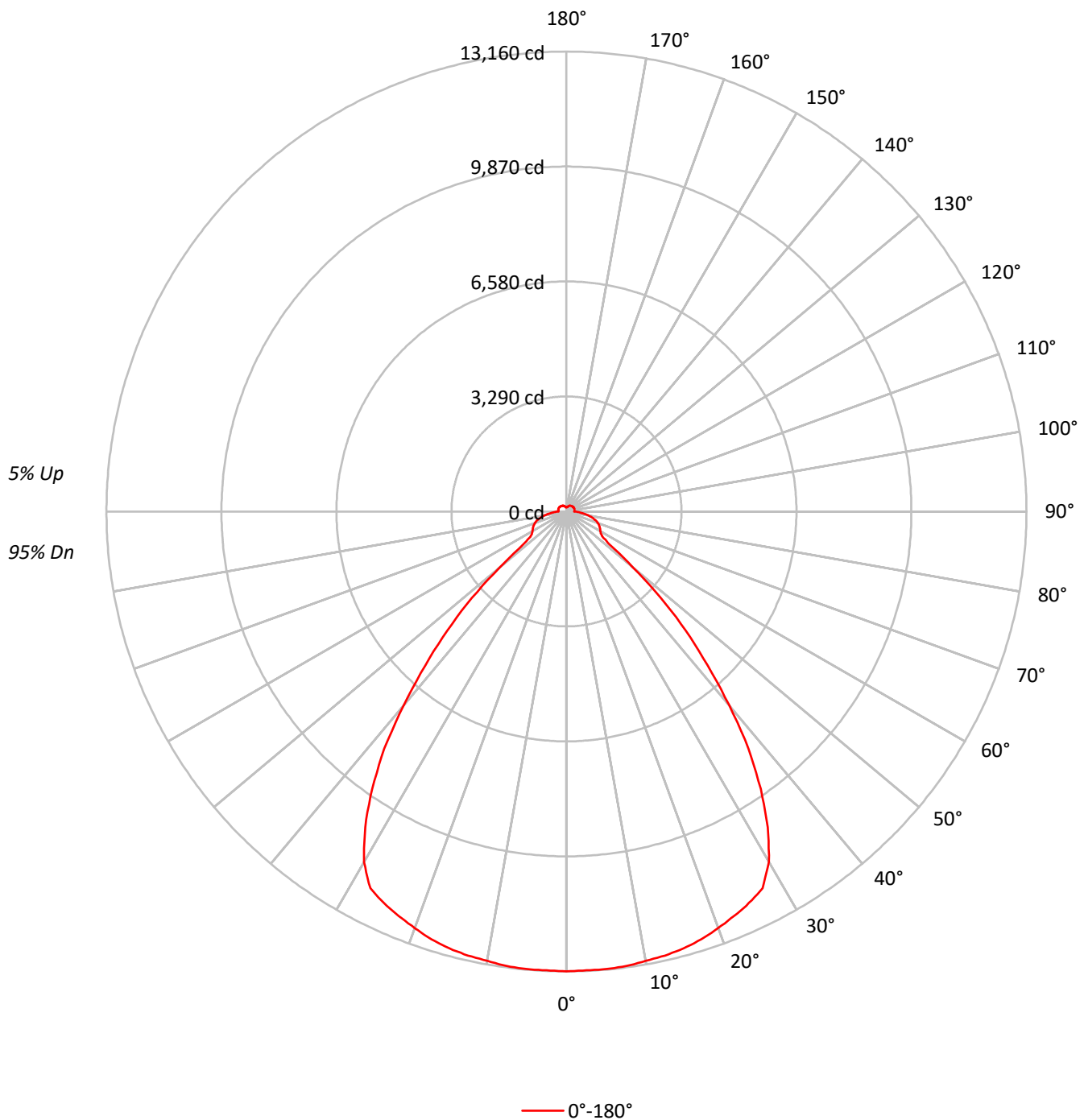
Lumens per Lamp: N/A
Luminaire Lumens: 25249.1 lumens
Efficiency: N/A
Efficacy: 163.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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°	75887
5°	72387
10°	69306
15°	66821
20°	64200
25°	61795
30°	57654
35°	48386
40°	36512
45°	24815
50°	13152
55°	6873
60°	6414
65°	6362
70°	6164
75°	5686
80°	4784
85°	3588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24815 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1252.0	5.0
10°-20°	3656.6	14.5
20°-30°	5677.9	22.5
30°-40°	5973.2	23.7
40°-50°	3692.8	14.6
50°-60°	1285.3	5.1
60°-70°	1036.2	4.1
70°-80°	848.1	3.4
80°-90°	455.5	1.8
90°-100°	250.9	1.0
100°-110°	251.7	1.0
110°-120°	235.6	0.9
120°-130°	205.7	0.8
130°-140°	167.1	0.7
140°-150°	125.5	0.5
150°-160°	82.3	0.3
160°-170°	41.1	0.2
170°-180°	11.7	0.0
0°-30°	10586.5	41.9
0°-40°	16559.7	65.6
0°-60°	21537.8	85.3
0°-90°	23877.6	94.6
90°-120°	738.1	2.9
90°-150°	1236.4	4.9
90°-180°	1371.0	5.4
0°-180°	25249.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13160	
5°	13146	###
15°	12948	3657
25°	12362	5678
35°	9689	5973
45°	4823	3693
55°	1255	1285
65°	1051	1036
75°	812	848
85°	417	382
90°	223	135
95°	230	189
105°	238	252
115°	237	236
125°	229	206
135°	216	167
145°	200	126
155°	178	82
165°	143	41
175°	122	12
180°	120	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13160.4
2.5°	13140.6
5°	13145.6
7.5°	13118.4
10°	13057.4
12.5°	13015.4
15°	12947.8
17.5°	12835.8
20°	12689.9
22.5°	12529.3
25°	12362.0
27.5°	12151.9
30°	11583.4
32.5°	10719.9
35°	9689.2
37.5°	8555.5
40°	7231.5
42.5°	5976.7
45°	4823.2
47.5°	3669.7
50°	2488.2
52.5°	1549.8
55°	1254.8
57.5°	1165.8
60°	1119.7
62.5°	1084.3
65°	1051.3
67.5°	1007.6
70°	953.3
72.5°	889.8
75°	812.4
77.5°	721.7
80°	622.1
82.5°	519.9
85°	416.9
87.5°	312.3
90°	223.3
92.5°	227.4
95°	229.9
97.5°	233.2
100°	235.6
102.5°	237.3
105°	238.1
107.5°	238.9
110°	238.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	238.9
115°	237.3
117.5°	236.5
120°	234.0
122.5°	232.3
125°	229.0
127.5°	226.6
130°	223.3
132.5°	219.2
135°	215.9
137.5°	211.7
140°	207.6
142.5°	203.5
145°	200.2
147.5°	195.3
150°	190.3
152.5°	184.6
155°	178.0
157.5°	169.7
160°	160.7
162.5°	152.4
165°	143.4
167.5°	133.5
170°	124.4
172.5°	121.9
175°	121.9
177.5°	120.3
180°	119.5

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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	14.03	15.26	14.49	15.68	16.14	14.03	15.26	14.49	15.68	16.14
	3H	16.42	17.51	16.90	17.96	18.45	16.42	17.51	16.90	17.96	18.45
	4H	17.41	18.43	17.91	18.90	19.41	17.41	18.43	17.91	18.90	19.41
	6H	18.20	19.14	18.70	19.62	20.14	18.20	19.14	18.70	19.62	20.14
	8H	18.48	19.37	19.00	19.87	20.40	18.48	19.37	19.00	19.87	20.40
	12H	18.69	19.54	19.21	20.03	20.59	18.69	19.54	19.21	20.03	20.59
4H	2H	14.71	15.73	15.20	16.19	16.70	14.71	15.73	15.20	16.19	16.70
	3H	17.28	18.13	17.79	18.64	19.17	17.28	18.13	17.79	18.64	19.17
	4H	18.40	19.16	18.92	19.68	20.25	18.40	19.16	18.92	19.68	20.25
	6H	19.31	19.97	19.86	20.51	21.10	19.31	19.97	19.86	20.51	21.10
	8H	19.64	20.26	20.20	20.81	21.40	19.64	20.26	20.20	20.81	21.40
	12H	19.91	20.46	20.48	21.04	21.64	19.91	20.46	20.48	21.04	21.64
8H	4H	18.73	19.35	19.29	19.90	20.49	18.73	19.35	19.29	19.90	20.49
	6H	19.78	20.29	20.37	20.88	21.49	19.78	20.29	20.37	20.88	21.49
	8H	20.20	20.66	20.81	21.27	21.88	20.20	20.66	20.81	21.27	21.88
	12H	20.57	20.98	21.17	21.57	22.26	20.57	20.98	21.17	21.57	22.26
12H	4H	18.76	19.32	19.34	19.89	20.49	18.76	19.32	19.34	19.89	20.49
	6H	19.85	20.31	20.45	20.91	21.53	19.85	20.31	20.45	20.91	21.53
	8H	20.33	20.74	20.93	21.33	22.02	20.33	20.74	20.93	21.33	22.02

END OF REPORT