

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: P1221392

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L24_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221392
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-25)
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 (3000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

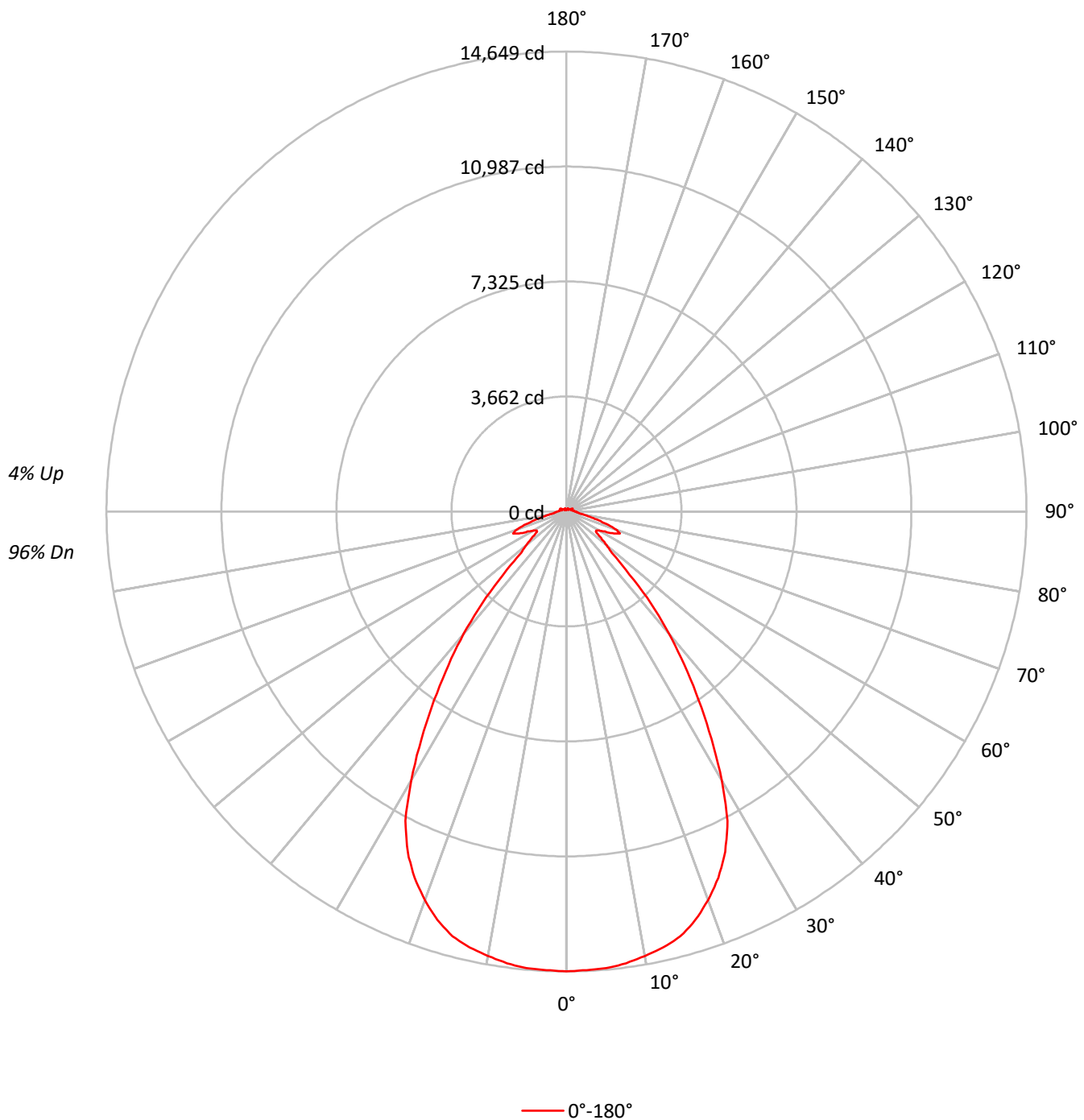
Lumens per Lamp: N/A
Luminaire Lumens: 22751.3 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	106	102	99	107	103	100	97	98	95	93	94	91	90	89	88	86	86	86	86	86	84			
2	102	95	89	84	99	93	88	83	89	84	81	85	81	78	81	79	76	76	76	76	76	74			
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	68	68	68	68	66			
4	88	78	71	65	86	77	70	65	74	68	64	71	66	62	69	65	61	61	61	61	61	59			
5	83	72	64	59	80	71	64	58	68	62	57	66	61	57	64	59	56	56	56	56	56	54			
6	78	66	59	53	76	65	58	53	63	57	52	61	56	52	59	55	51	51	51	51	51	49			
7	73	61	54	49	71	60	53	48	59	52	48	57	51	47	55	50	47	47	47	47	47	45			
8	69	57	50	45	67	56	49	44	55	48	44	53	48	44	52	47	43	43	43	43	43	41			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	40	40	40	40	38			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	37	37	37	37	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84473
5°	80427
10°	76301
15°	72309
20°	66682
25°	59815
30°	49213
35°	36670
40°	25668
45°	14640
50°	8812
55°	6249
60°	6970
65°	10107
70°	10867
75°	6918
80°	4041
85°	3017

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14640 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1386.5	6.1
10°-20°	3928.2	17.3
20°-30°	5423.5	23.8
30°-40°	4587.0	20.2
40°-50°	2316.2	10.2
50°-60°	1138.4	5.0
60°-70°	1579.7	6.9
70°-80°	1092.1	4.8
80°-90°	401.3	1.8
90°-100°	251.7	1.1
100°-110°	177.0	0.8
110°-120°	192.3	0.8
120°-130°	91.0	0.4
130°-140°	58.3	0.3
140°-150°	61.5	0.3
150°-160°	43.8	0.2
160°-170°	18.5	0.1
170°-180°	4.3	0.0
0°-30°	10738.1	47.2
0°-40°	15325.1	67.4
0°-60°	18779.8	82.5
0°-90°	21852.8	96.1
90°-120°	621.0	2.7
90°-150°	831.8	3.7
90°-180°	898.0	3.9
0°-180°	22751.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14649	
5°	14606	###
15°	14011	3928
25°	11966	5423
35°	7343	4587
45°	2846	2316
55°	1141	1138
65°	1670	1580
75°	988	1092
85°	350	321
90°	274	152
95°	230	180
105°	151	177
115°	205	192
125°	96	91
135°	73	58
145°	100	62
155°	96	44
165°	63	18
175°	44	4
180°	44	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14649.3
2.5°	14622.3
5°	14605.8
7.5°	14514.9
10°	14375.3
12.5°	14230.5
15°	14011.3
17.5°	13651.0
20°	13180.4
22.5°	12635.5
25°	11965.9
27.5°	11107.2
30°	9887.5
32.5°	8586.0
35°	7343.0
37.5°	6168.4
40°	5083.8
42.5°	3982.6
45°	2845.5
47.5°	1960.5
50°	1667.1
52.5°	1386.3
55°	1140.9
57.5°	1125.1
60°	1216.7
62.5°	1387.8
65°	1670.1
67.5°	1842.7
70°	1680.6
72.5°	1339.1
75°	988.5
77.5°	716.1
80°	525.4
82.5°	406.8
85°	350.5
87.5°	315.2
90°	274.0
92.5°	249.2
95°	229.7
97.5°	212.4
100°	188.4
102.5°	160.6
105°	150.9
107.5°	164.4
110°	198.9

TEST NUMBER: P1221392

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	219.2
115°	204.9
117.5°	176.4
120°	146.4
122.5°	118.6
125°	96.1
127.5°	79.6
130°	70.6
132.5°	68.3
135°	72.8
137.5°	81.1
140°	89.3
142.5°	96.1
145°	99.8
147.5°	101.3
150°	101.3
152.5°	99.8
155°	96.1
157.5°	89.3
160°	81.1
162.5°	72.1
165°	63.0
167.5°	54.8
170°	47.3
172.5°	45.0
175°	44.3
177.5°	43.5
180°	43.5

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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	14.26	15.52	14.70	15.92	16.33	14.26	15.52	14.70	15.92	16.33
	3H	19.48	20.60	19.92	21.02	21.48	19.48	20.60	19.92	21.02	21.48
	4H	20.28	21.34	20.75	21.77	22.25	20.28	21.34	20.75	21.77	22.25
	6H	20.60	21.58	21.08	22.03	22.52	20.60	21.58	21.08	22.03	22.52
	8H	20.68	21.60	21.17	22.07	22.57	20.68	21.60	21.17	22.07	22.57
	12H	20.74	21.63	21.24	22.09	22.61	20.74	21.63	21.24	22.09	22.61
4H	2H	16.01	17.07	16.48	17.50	17.98	16.01	17.07	16.48	17.50	17.98
	3H	20.54	21.42	21.02	21.90	22.40	20.54	21.42	21.02	21.90	22.40
	4H	21.34	22.14	21.84	22.63	23.17	21.34	22.14	21.84	22.63	23.17
	6H	21.70	22.40	22.23	22.92	23.48	21.70	22.40	22.23	22.92	23.48
	8H	21.80	22.45	22.33	22.97	23.53	21.80	22.45	22.33	22.97	23.53
	12H	21.88	22.46	22.43	23.02	23.58	21.88	22.46	22.43	23.02	23.58
8H	4H	21.55	22.21	22.09	22.73	23.29	21.55	22.21	22.09	22.73	23.29
	6H	21.98	22.52	22.55	23.08	23.65	21.98	22.52	22.55	23.08	23.65
	8H	22.12	22.60	22.70	23.18	23.76	22.12	22.60	22.70	23.18	23.76
	12H	22.27	22.69	22.85	23.25	23.91	22.27	22.69	22.85	23.25	23.91
12H	4H	21.54	22.12	22.09	22.67	23.24	21.54	22.12	22.09	22.67	23.24
	6H	21.98	22.46	22.56	23.04	23.62	21.98	22.46	22.56	23.04	23.62
	8H	22.16	22.58	22.74	23.14	23.80	22.16	22.58	22.74	23.14	23.80