

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: P1221473

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (6500K_L24_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221473
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-30)
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 (6500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

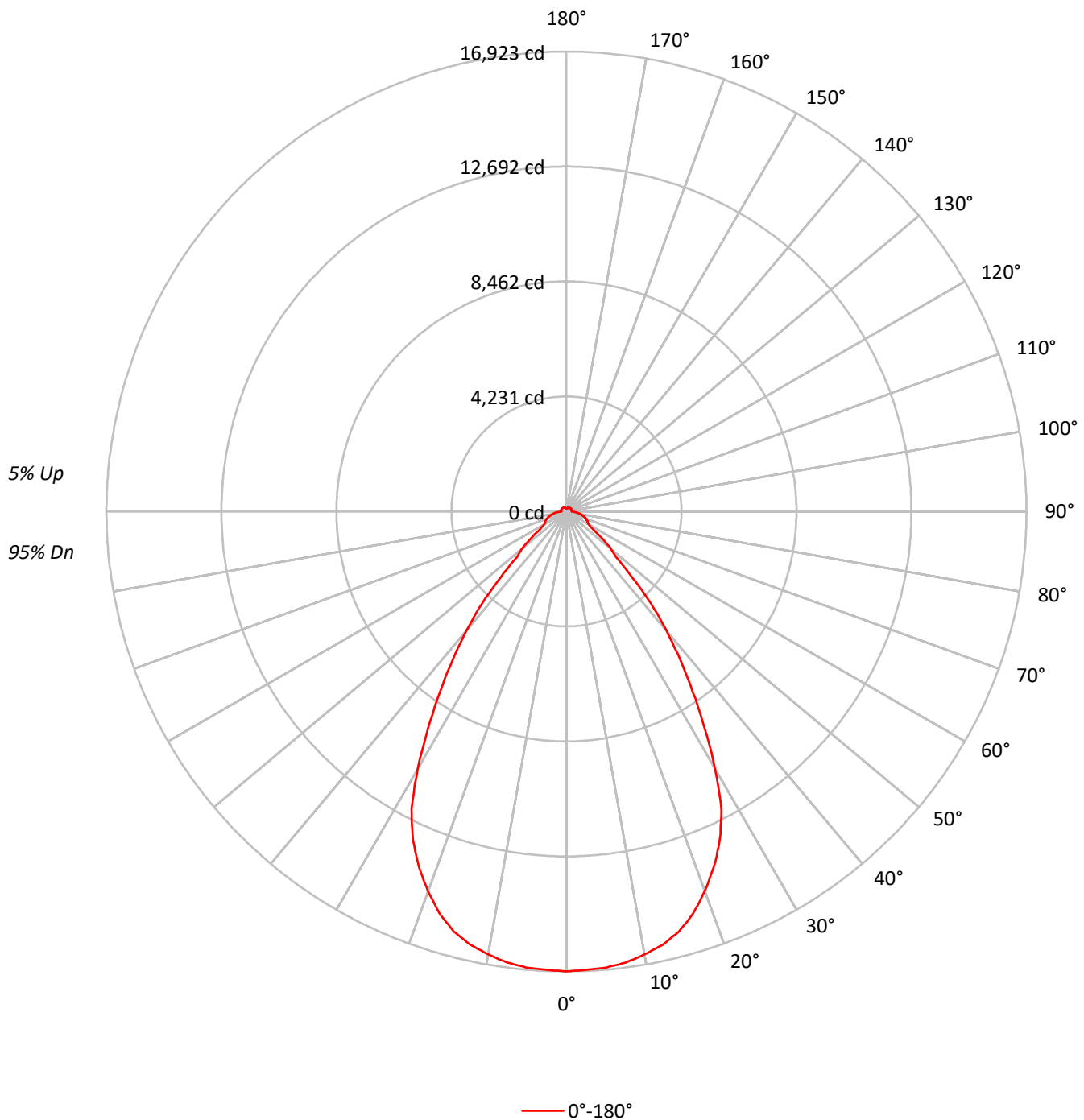
Lumens per Lamp: N/A
Luminaire Lumens: 24242.3 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
RCR																	
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87
2	103	97	91	87	100	94	90	86	90	86	83	86	83	81	83	80	78
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	73	70
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	67	64
5	84	74	67	62	82	73	66	61	71	65	60	68	63	59	66	62	58
6	79	69	61	56	77	68	61	56	65	60	55	63	58	54	62	57	54
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	49
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46
9	66	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42
10	63	52	45	41	62	51	45	40	50	44	40	49	43	40	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97582
5°	92766
10°	87851
15°	82569
20°	75230
25°	66735
30°	54453
35°	40456
40°	28833
45°	17490
50°	11151
55°	7051
60°	5367
65°	5179
70°	4927
75°	4496
80°	3873
85°	3002

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 17490 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1598.7	6.6
10°-20°	4479.8	18.5
20°-30°	6054.1	25.0
30°-40°	5080.9	21.0
40°-50°	2739.3	11.3
50°-60°	1241.4	5.1
60°-70°	844.3	3.5
70°-80°	675.2	2.8
80°-90°	377.5	1.6
90°-100°	207.8	0.9
100°-110°	209.4	0.9
110°-120°	196.6	0.8
120°-130°	171.9	0.7
130°-140°	140.8	0.6
140°-150°	106.8	0.4
150°-160°	71.1	0.3
160°-170°	36.1	0.1
170°-180°	10.6	0.0
0°-30°	12132.6	50.0
0°-40°	17213.4	71.0
0°-60°	21194.1	87.4
0°-90°	23091.2	95.3
90°-120°	613.8	2.5
90°-150°	1033.3	4.3
90°-180°	1151.0	4.7
0°-180°	24242.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16923	
5°	16847	###
15°	15999	4480
25°	13350	6054
35°	8101	5081
45°	3399	2739
55°	1287	1241
65°	856	844
75°	642	675
85°	349	316
90°	185	113
95°	191	157
105°	198	209
115°	198	197
125°	192	172
135°	182	141
145°	170	107
155°	154	71
165°	126	36
175°	111	11
180°	110	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16922.7
2.5°	16880.1
5°	16846.6
7.5°	16737.9
10°	16551.3
12.5°	16331.3
15°	15999.3
17.5°	15511.6
20°	14870.0
22.5°	14167.4
25°	13350.1
27.5°	12342.2
30°	10940.3
32.5°	9474.8
35°	8101.3
37.5°	6858.3
40°	5710.6
42.5°	4592.2
45°	3399.4
47.5°	2458.4
50°	2109.6
52.5°	1723.1
55°	1287.3
57.5°	1048.9
60°	936.9
62.5°	888.3
65°	855.7
67.5°	813.1
70°	762.0
72.5°	706.0
75°	642.4
77.5°	575.5
80°	503.6
82.5°	429.1
85°	348.8
87.5°	263.5
90°	184.9
92.5°	188.2
95°	190.7
97.5°	193.2
100°	194.9
102.5°	197.4
105°	198.2
107.5°	199.1
110°	199.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	199.1
115°	198.2
117.5°	197.4
120°	195.7
122.5°	194.1
125°	191.6
127.5°	189.0
130°	187.4
132.5°	184.0
135°	181.5
137.5°	179.0
140°	176.5
142.5°	173.2
145°	169.8
147.5°	166.5
150°	163.1
152.5°	158.9
155°	153.9
157.5°	147.2
160°	139.7
162.5°	133.0
165°	126.3
167.5°	118.8
170°	112.1
172.5°	110.4
175°	111.3
177.5°	110.4
180°	109.6

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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	13.51	14.68	13.96	15.10	15.53	13.51	14.68	13.96	15.10	15.53
	3H	15.52	16.57	15.99	17.00	17.48	15.52	16.57	15.99	17.00	17.48
	4H	16.39	17.36	16.87	17.81	18.31	16.39	17.36	16.87	17.81	18.31
	6H	17.11	18.00	17.61	18.47	18.98	17.11	18.00	17.61	18.47	18.98
	8H	17.38	18.23	17.89	18.72	19.24	17.38	18.23	17.89	18.72	19.24
	12H	17.59	18.41	18.11	18.88	19.43	17.59	18.41	18.11	18.88	19.43
4H	2H	14.03	15.01	14.52	15.45	15.96	14.03	15.01	14.52	15.45	15.96
	3H	16.27	17.08	16.77	17.58	18.09	16.27	17.08	16.77	17.58	18.09
	4H	17.27	18.00	17.79	18.51	19.06	17.27	18.00	17.79	18.51	19.06
	6H	18.13	18.76	18.67	19.30	19.87	18.13	18.76	18.67	19.30	19.87
	8H	18.46	19.05	19.01	19.59	20.17	18.46	19.05	19.01	19.59	20.17
	12H	18.74	19.26	19.30	19.83	20.41	18.74	19.26	19.30	19.83	20.41
8H	4H	17.57	18.16	18.12	18.69	19.27	17.57	18.16	18.12	18.69	19.27
	6H	18.57	19.06	19.15	19.64	20.23	18.57	19.06	19.15	19.64	20.23
	8H	19.00	19.44	19.60	20.03	20.63	19.00	19.44	19.60	20.03	20.63
	12H	19.39	19.77	19.98	20.35	21.02	19.39	19.77	19.98	20.35	21.02
12H	4H	17.59	18.12	18.16	18.68	19.27	17.59	18.12	18.16	18.68	19.27
	6H	18.64	19.07	19.24	19.67	20.27	18.64	19.07	19.24	19.67	20.27
	8H	19.13	19.51	19.72	20.09	20.77	19.13	19.51	19.72	20.09	20.77