

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: P1221464

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (5000K_L24_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221464
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

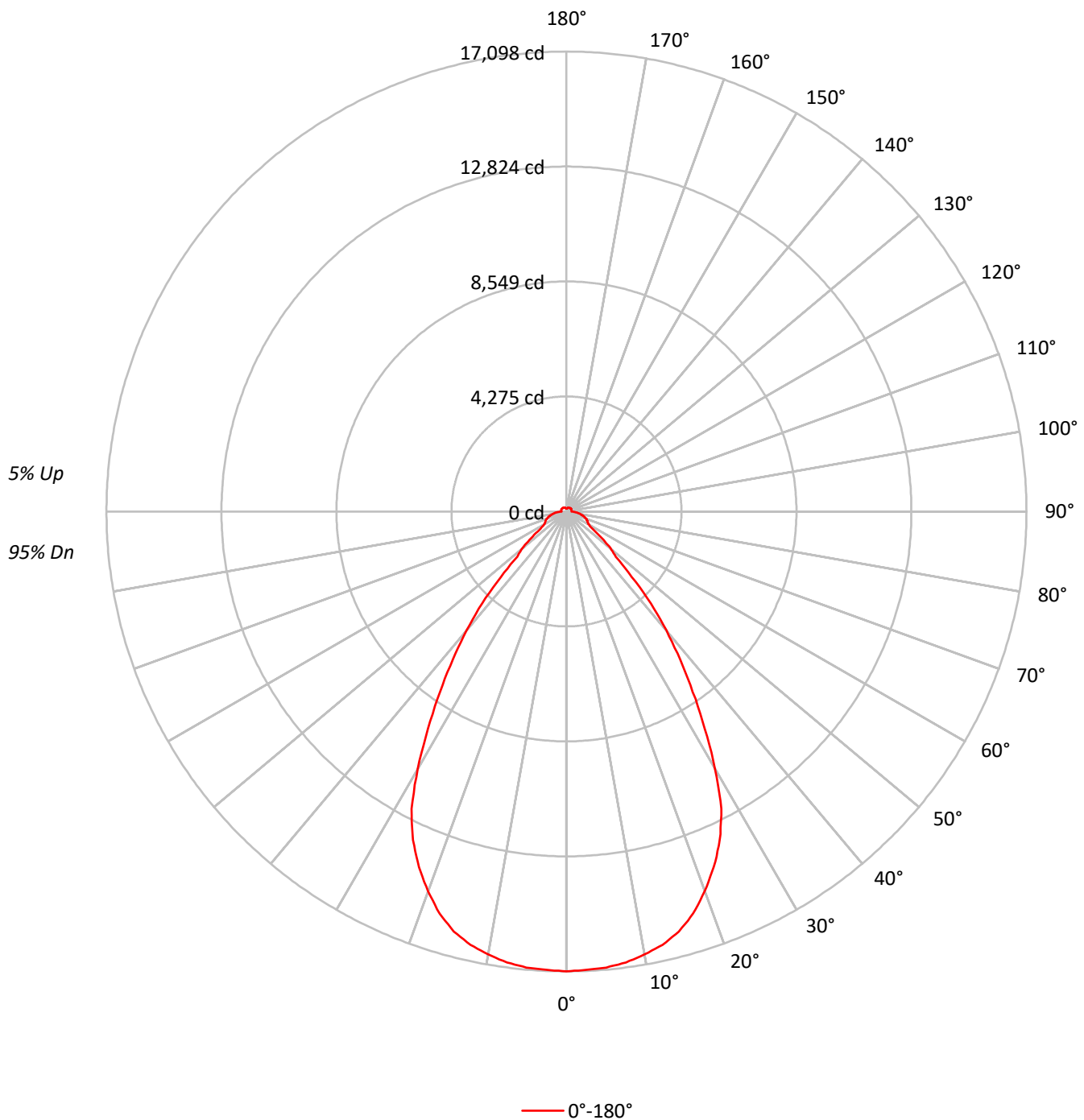
Lumens per Lamp: N/A
Luminaire Lumens: 24493.7 lumens
Efficiency: N/A
Efficacy: 158.4 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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°	98594
5°	93728
10°	88761
15°	83425
20°	76010
25°	67426
30°	55018
35°	40875
40°	29132
45°	17671
50°	11267
55°	7124
60°	5422
65°	5232
70°	4978
75°	4543
80°	3913
85°	3033

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 17671 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1615.3	6.6
10°-20°	4526.2	18.5
20°-30°	6116.8	25.0
30°-40°	5133.5	21.0
40°-50°	2767.8	11.3
50°-60°	1254.3	5.1
60°-70°	853.1	3.5
70°-80°	682.2	2.8
80°-90°	381.4	1.6
90°-100°	210.0	0.9
100°-110°	211.5	0.9
110°-120°	198.6	0.8
120°-130°	173.7	0.7
130°-140°	142.2	0.6
140°-150°	107.9	0.4
150°-160°	71.8	0.3
160°-170°	36.5	0.1
170°-180°	10.7	0.0
0°-30°	12258.3	50.0
0°-40°	17391.8	71.0
0°-60°	21413.9	87.4
0°-90°	23330.6	95.3
90°-120°	620.2	2.5
90°-150°	1044.1	4.3
90°-180°	1163.0	4.7
0°-180°	24493.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17098	
5°	17021	###
15°	16165	4526
25°	13488	6117
35°	8185	5134
45°	3435	2768
55°	1301	1254
65°	865	853
75°	649	682
85°	352	319
90°	187	114
95°	193	158
105°	200	212
115°	200	199
125°	194	174
135°	183	142
145°	172	108
155°	156	72
165°	128	36
175°	112	11
180°	111	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17098.2
2.5°	17055.1
5°	17021.3
7.5°	16911.4
10°	16722.9
12.5°	16500.6
15°	16165.1
17.5°	15672.4
20°	15024.2
22.5°	14314.2
25°	13488.5
27.5°	12470.1
30°	11053.7
32.5°	9573.0
35°	8185.2
37.5°	6929.4
40°	5769.8
42.5°	4639.9
45°	3434.7
47.5°	2483.9
50°	2131.5
52.5°	1741.0
55°	1300.7
57.5°	1059.8
60°	946.6
62.5°	897.5
65°	864.6
67.5°	821.5
70°	769.9
72.5°	713.3
75°	649.1
77.5°	581.5
80°	508.8
82.5°	433.6
85°	352.4
87.5°	266.2
90°	186.8
92.5°	190.2
95°	192.7
97.5°	195.2
100°	196.9
102.5°	199.5
105°	200.3
107.5°	201.1
110°	201.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	201.1
115°	200.3
117.5°	199.5
120°	197.8
122.5°	196.1
125°	193.5
127.5°	191.0
130°	189.3
132.5°	185.9
135°	183.4
137.5°	180.9
140°	178.3
142.5°	174.9
145°	171.6
147.5°	168.2
150°	164.8
152.5°	160.6
155°	155.5
157.5°	148.7
160°	141.1
162.5°	134.4
165°	127.6
167.5°	120.0
170°	113.2
172.5°	111.6
175°	112.4
177.5°	111.6
180°	110.7

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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	13.55	14.72	14.00	15.13	15.57	13.55	14.72	14.00	15.13	15.57
	3H	15.56	16.60	16.02	17.03	17.52	15.56	16.60	16.02	17.03	17.52
	4H	16.42	17.40	16.91	17.85	18.35	16.42	17.40	16.91	17.85	18.35
	6H	17.14	18.04	17.64	18.51	19.02	17.14	18.04	17.64	18.51	19.02
	8H	17.42	18.27	17.93	18.75	19.27	17.42	18.27	17.93	18.75	19.27
	12H	17.63	18.44	18.15	18.92	19.47	17.63	18.44	18.15	18.92	19.47
4H	2H	14.07	15.04	14.55	15.49	15.99	14.07	15.04	14.55	15.49	15.99
	3H	16.31	17.11	16.80	17.61	18.13	16.31	17.11	16.80	17.61	18.13
	4H	17.30	18.03	17.82	18.54	19.10	17.30	18.03	17.82	18.54	19.10
	6H	18.17	18.80	18.71	19.33	19.91	18.17	18.80	18.71	19.33	19.91
	8H	18.50	19.09	19.05	19.62	20.21	18.50	19.09	19.05	19.62	20.21
	12H	18.77	19.30	19.34	19.86	20.45	18.77	19.30	19.34	19.86	20.45
8H	4H	17.60	18.19	18.15	18.73	19.31	17.60	18.19	18.15	18.73	19.31
	6H	18.61	19.09	19.19	19.67	20.26	18.61	19.09	19.19	19.67	20.26
	8H	19.04	19.47	19.64	20.07	20.67	19.04	19.47	19.64	20.07	20.67
	12H	19.42	19.81	20.02	20.38	21.06	19.42	19.81	20.02	20.38	21.06
12H	4H	17.63	18.15	18.20	18.72	19.31	17.63	18.15	18.20	18.72	19.31
	6H	18.67	19.11	19.27	19.71	20.31	18.67	19.11	19.27	19.71	20.31
	8H	19.17	19.55	19.76	20.13	20.80	19.17	19.55	19.76	20.13	20.80