

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: P1221436

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L24_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221436
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-31)
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 (3000K_L24_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

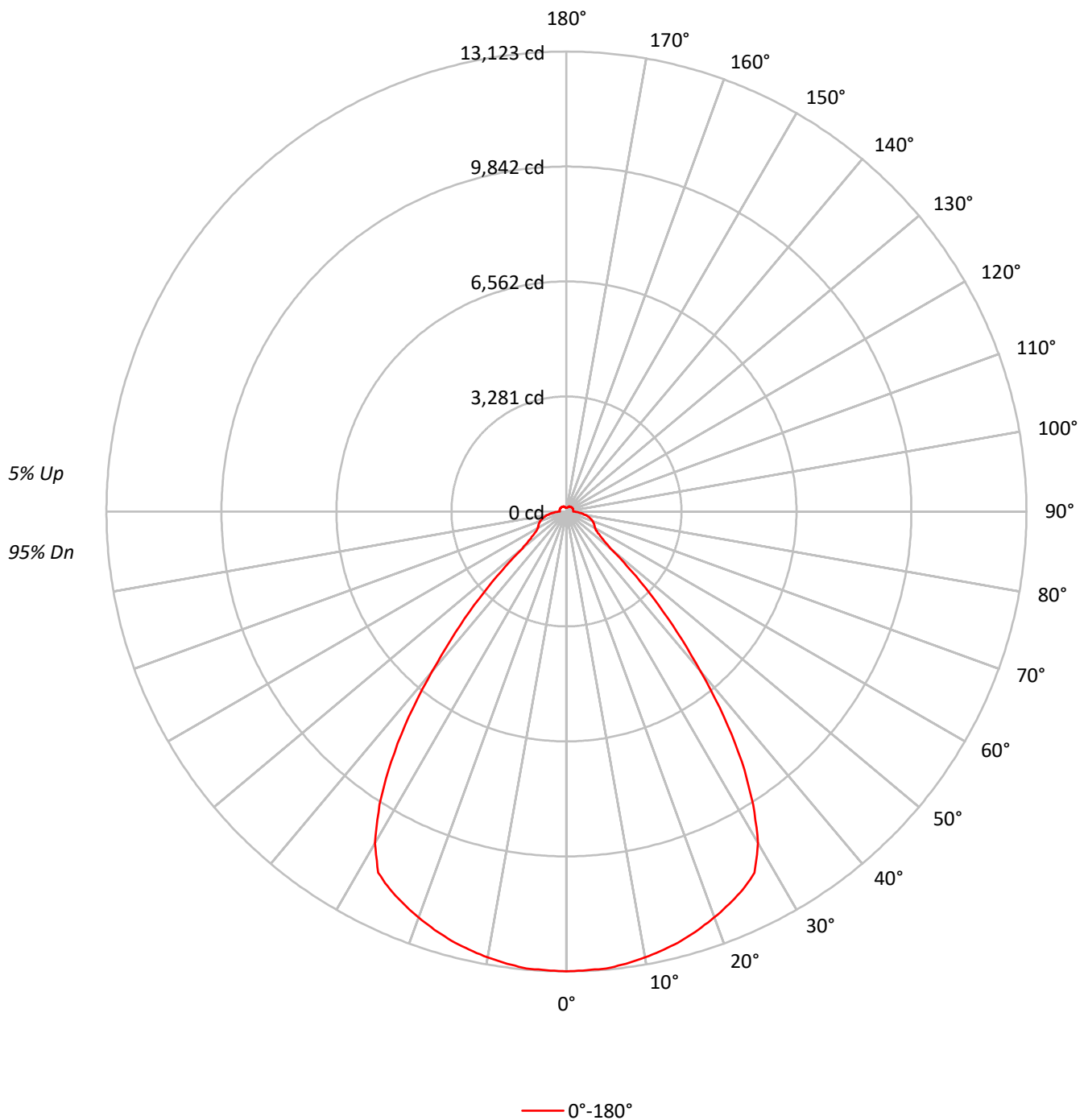
Lumens per Lamp: N/A
Luminaire Lumens: 22557.3 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	97	97	97
1	110	106	103	100	107	103	100	97	98	96	93	94	92	90	89	88	86
2	102	96	90	86	99	94	89	85	89	85	82	85	82	79	82	79	77
3	95	87	81	75	93	85	79	74	82	77	73	78	74	71	75	72	69
4	89	79	72	67	87	78	71	66	75	69	65	72	67	64	70	66	62
5	83	73	66	60	81	72	65	60	69	63	59	67	62	58	64	60	57
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47
8	69	57	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43
9	65	53	46	42	63	53	46	41	51	45	41	50	44	40	49	44	40
10	61	50	43	38	60	49	43	38	48	42	38	47	41	37	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75673
5°	72062
10°	68588
15°	65453
20°	62376
25°	59523
30°	54387
35°	43570
40°	30018
45°	18143
50°	8665
55°	6179
60°	5383
65°	5297
70°	5111
75°	4749
80°	4082
85°	3075

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18143 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1243.7	5.5
10°-20°	3579.6	15.9
20°-30°	5454.3	24.2
30°-40°	5351.3	23.7
40°-50°	2764.6	12.3
50°-60°	1053.0	4.7
60°-70°	863.1	3.8
70°-80°	709.5	3.1
80°-90°	389.1	1.7
90°-100°	210.1	0.9
100°-110°	210.6	0.9
110°-120°	197.1	0.9
120°-130°	171.8	0.8
130°-140°	140.0	0.6
140°-150°	105.4	0.5
150°-160°	69.5	0.3
160°-170°	34.7	0.2
170°-180°	9.9	0.0
0°-30°	10277.6	45.6
0°-40°	15629.0	69.3
0°-60°	19446.6	86.2
0°-90°	21408.3	94.9
90°-120°	617.7	2.7
90°-150°	1034.9	4.6
90°-180°	1149.0	5.1
0°-180°	22557.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13123	
5°	13087	###
15°	12683	3580
25°	11907	5454
35°	8725	5351
45°	3526	2765
55°	1128	1053
65°	875	863
75°	678	709
85°	357	327
90°	188	114
95°	193	158
105°	200	211
115°	199	197
125°	191	172
135°	181	140
145°	167	105
155°	150	69
165°	121	35
175°	104	10
180°	103	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13123.3
2.5°	13102.3
5°	13086.6
7.5°	13019.8
10°	12922.2
12.5°	12808.8
15°	12682.7
17.5°	12515.4
20°	12329.2
22.5°	12127.3
25°	11907.4
27.5°	11618.4
30°	10927.1
32.5°	9916.1
35°	8724.9
37.5°	7387.3
40°	5945.4
42.5°	4676.9
45°	3526.3
47.5°	2519.0
50°	1639.3
52.5°	1301.5
55°	1128.1
57.5°	1001.3
60°	939.7
62.5°	904.5
65°	875.2
67.5°	836.9
70°	790.4
72.5°	737.8
75°	678.5
77.5°	609.5
80°	530.7
82.5°	445.9
85°	357.3
87.5°	265.7
90°	187.6
92.5°	189.9
95°	192.9
97.5°	195.2
100°	196.7
102.5°	198.2
105°	199.7
107.5°	199.7
110°	200.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	199.7
115°	198.9
117.5°	197.4
120°	195.9
122.5°	193.7
125°	191.4
127.5°	189.1
130°	186.9
132.5°	183.1
135°	180.9
137.5°	177.9
140°	174.1
142.5°	171.1
145°	167.4
147.5°	164.4
150°	160.6
152.5°	155.4
155°	150.1
157.5°	143.4
160°	136.6
162.5°	128.4
165°	120.8
167.5°	113.3
170°	105.8
172.5°	103.6
175°	103.6
177.5°	102.8
180°	102.8

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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	13.42	14.61	13.88	15.03	15.47	13.42	14.61	13.88	15.03	15.47
	3H	15.69	16.75	16.16	17.18	17.67	15.69	16.75	16.16	17.18	17.67
	4H	16.65	17.65	17.15	18.10	18.61	16.65	17.65	17.15	18.10	18.61
	6H	17.45	18.36	17.95	18.83	19.35	17.45	18.36	17.95	18.83	19.35
	8H	17.74	18.60	18.26	19.09	19.62	17.74	18.60	18.26	19.09	19.62
	12H	17.96	18.78	18.48	19.27	19.82	17.96	18.78	18.48	19.27	19.82
4H	2H	14.04	15.03	14.53	15.49	15.99	14.04	15.03	14.53	15.49	15.99
	3H	16.51	17.33	17.01	17.83	18.36	16.51	17.33	17.01	17.83	18.36
	4H	17.61	18.35	18.13	18.86	19.43	17.61	18.35	18.13	18.86	19.43
	6H	18.53	19.18	19.08	19.72	20.30	18.53	19.18	19.08	19.72	20.30
	8H	18.88	19.48	19.43	20.02	20.61	18.88	19.48	19.43	20.02	20.61
	12H	19.16	19.69	19.73	20.26	20.85	19.16	19.69	19.73	20.26	20.85
8H	4H	17.94	18.54	18.49	19.08	19.67	17.94	18.54	18.49	19.08	19.67
	6H	19.01	19.50	19.59	20.09	20.69	19.01	19.50	19.59	20.09	20.69
	8H	19.45	19.89	20.05	20.49	21.10	19.45	19.89	20.05	20.49	21.10
	12H	19.83	20.22	20.43	20.80	21.49	19.83	20.22	20.43	20.80	21.49
12H	4H	17.97	18.51	18.54	19.08	19.67	17.97	18.51	18.54	19.08	19.67
	6H	19.08	19.52	19.68	20.12	20.73	19.08	19.52	19.68	20.12	20.73
	8H	19.58	19.97	20.18	20.56	21.24	19.58	19.97	20.18	20.56	21.24