

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: P1221438

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221438
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

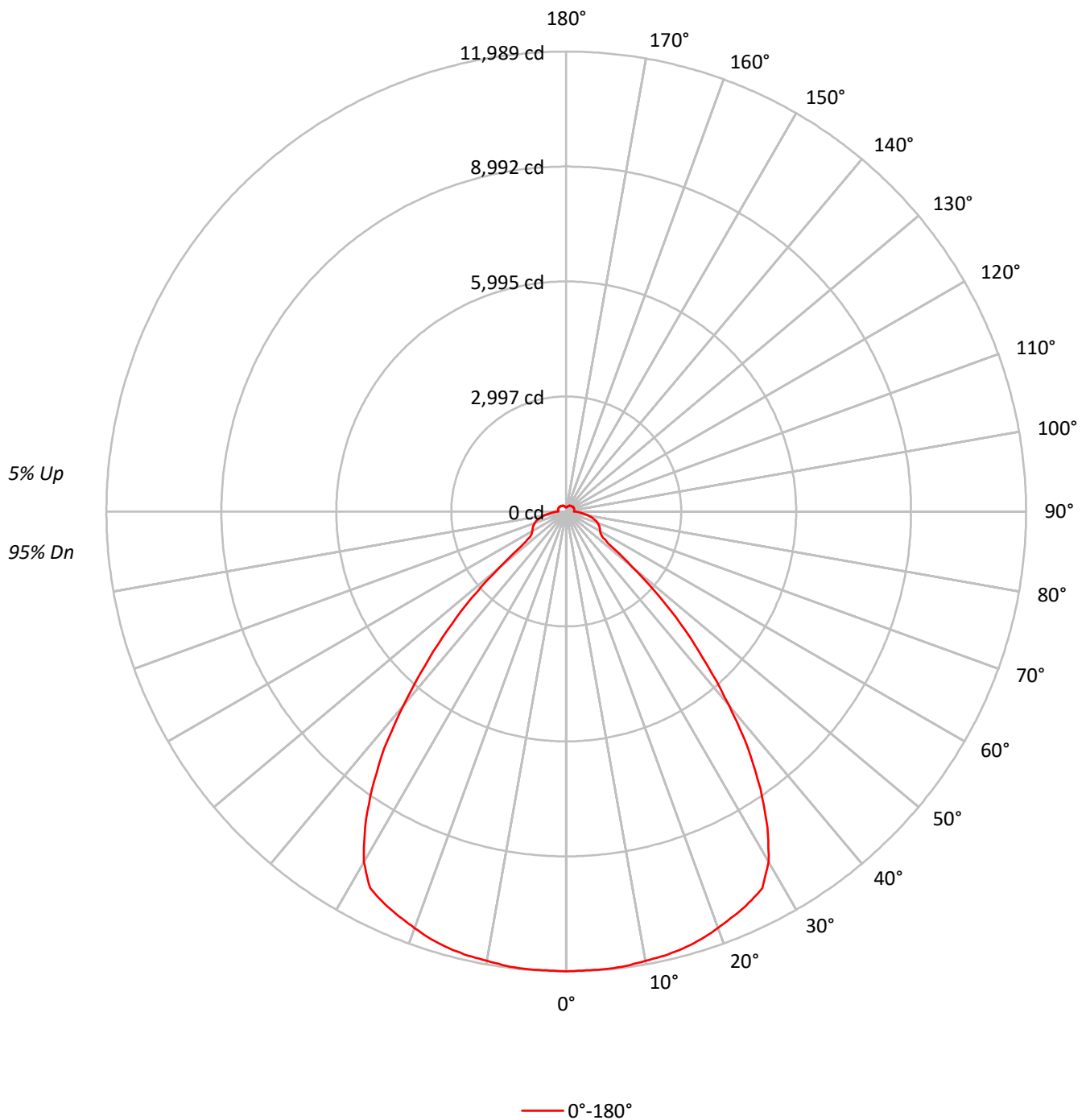
Lumens per Lamp: N/A
Luminaire Lumens: 23002.2 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
RCR																					
0	118	118	118	118		114	114	114	114		108	108	108		102	102	102		97	97	97
1	110	106	102	99		106	103	100	97		98	95	93		93	91	89		89	87	86
2	102	95	90	85		99	93	88	84		89	84	81		85	81	78		81	78	76
3	95	86	79	74		92	84	78	73		81	75	71		77	73	69		74	71	68
4	88	78	71	65		86	77	70	65		74	68	63		71	66	62		68	64	61
5	82	72	64	58		80	70	63	58		68	62	57		65	60	56		63	58	55
6	77	66	58	53		75	64	57	52		62	56	51		60	55	51		58	53	50
7	72	60	53	48		70	59	52	47		57	51	47		56	50	46		54	49	45
8	68	56	48	43		66	55	48	43		53	47	43		52	46	42		50	45	41
9	64	52	45	40		62	51	44	39		50	43	39		48	43	39		47	42	38
10	60	48	41	36		58	47	41	36		46	40	36		45	39	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69134
5°	65944
10°	63138
15°	60874
20°	58487
25°	56296
30°	52523
35°	44080
40°	33262
45°	22607
50°	11982
55°	6262
60°	5844
65°	5797
70°	5615
75°	5180
80°	4358
85°	3269

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22607 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1140.6	5.0
10°-20°	3331.2	14.5
20°-30°	5172.6	22.5
30°-40°	5441.6	23.7
40°-50°	3364.2	14.6
50°-60°	1171.0	5.1
60°-70°	944.0	4.1
70°-80°	772.6	3.4
80°-90°	414.9	1.8
90°-100°	228.6	1.0
100°-110°	229.3	1.0
110°-120°	214.6	0.9
120°-130°	187.4	0.8
130°-140°	152.2	0.7
140°-150°	114.4	0.5
150°-160°	75.0	0.3
160°-170°	37.4	0.2
170°-180°	10.6	0.0
0°-30°	9644.3	41.9
0°-40°	15086.0	65.6
0°-60°	19621.2	85.3
0°-90°	21752.7	94.6
90°-120°	672.5	2.9
90°-150°	1126.5	4.9
90°-180°	1249.0	5.4
0°-180°	23002.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11989	
5°	11976	###
15°	11796	3331
25°	11262	5173
35°	8827	5442
45°	4394	3364
55°	1143	1171
65°	958	944
75°	740	773
85°	380	348
90°	203	123
95°	209	172
105°	217	229
115°	216	215
125°	209	187
135°	197	152
145°	182	114
155°	162	75
165°	131	37
175°	111	11
180°	109	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11989.2
2.5°	11971.2
5°	11975.7
7.5°	11950.9
10°	11895.4
12.5°	11857.1
15°	11795.5
17.5°	11693.5
20°	11560.6
22.5°	11414.2
25°	11261.9
27.5°	11070.5
30°	10552.6
32.5°	9765.9
35°	8827.0
37.5°	7794.1
40°	6587.9
42.5°	5444.8
45°	4394.0
47.5°	3343.1
50°	2266.8
52.5°	1411.9
55°	1143.2
57.5°	1062.1
60°	1020.1
62.5°	987.8
65°	957.8
67.5°	918.0
70°	868.4
72.5°	810.6
75°	740.1
77.5°	657.5
80°	566.7
82.5°	473.6
85°	379.8
87.5°	284.5
90°	203.4
92.5°	207.2
95°	209.4
97.5°	212.4
100°	214.7
102.5°	216.2
105°	216.9
107.5°	217.7
110°	217.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	217.7
115°	216.2
117.5°	215.4
120°	213.2
122.5°	211.7
125°	208.7
127.5°	206.4
130°	203.4
132.5°	199.7
135°	196.7
137.5°	192.9
140°	189.1
142.5°	185.4
145°	182.4
147.5°	177.9
150°	173.4
152.5°	168.1
155°	162.1
157.5°	154.6
160°	146.4
162.5°	138.9
165°	130.6
167.5°	121.6
170°	113.3
172.5°	111.1
175°	111.1
177.5°	109.6
180°	108.8

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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	13.71	14.93	14.17	15.36	15.81	13.71	14.93	14.17	15.36	15.81
	3H	16.10	17.19	16.57	17.63	18.13	16.10	17.19	16.57	17.63	18.13
	4H	17.09	18.11	17.59	18.57	19.09	17.09	18.11	17.59	18.57	19.09
	6H	17.87	18.81	18.38	19.29	19.82	17.87	18.81	18.38	19.29	19.82
	8H	18.15	19.05	18.68	19.54	20.08	18.15	19.05	18.68	19.54	20.08
	12H	18.37	19.22	18.89	19.71	20.27	18.37	19.22	18.89	19.71	20.27
4H	2H	14.38	15.41	14.88	15.87	16.38	14.38	15.41	14.88	15.87	16.38
	3H	16.96	17.81	17.47	18.31	18.85	16.96	17.81	17.47	18.31	18.85
	4H	18.07	18.84	18.60	19.36	19.93	18.07	18.84	18.60	19.36	19.93
	6H	18.98	19.65	19.53	20.19	20.78	18.98	19.65	19.53	20.19	20.78
	8H	19.32	19.94	19.87	20.48	21.08	19.32	19.94	19.87	20.48	21.08
	12H	19.58	20.14	20.16	20.71	21.31	19.58	20.14	20.16	20.71	21.31
8H	4H	18.41	19.03	18.97	19.58	20.17	18.41	19.03	18.97	19.58	20.17
	6H	19.45	19.97	20.04	20.56	21.16	19.45	19.97	20.04	20.56	21.16
	8H	19.88	20.34	20.48	20.95	21.56	19.88	20.34	20.48	20.95	21.56
	12H	20.25	20.66	20.85	21.24	21.93	20.25	20.66	20.85	21.24	21.93
12H	4H	18.44	18.99	19.02	19.57	20.17	18.44	18.99	19.02	19.57	20.17
	6H	19.52	19.98	20.13	20.59	21.20	19.52	19.98	20.13	20.59	21.20
	8H	20.01	20.42	20.61	21.00	21.69	20.01	20.42	20.61	21.00	21.69