

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: P1221499

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (4000K_L24_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221499
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (4000K_L24_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

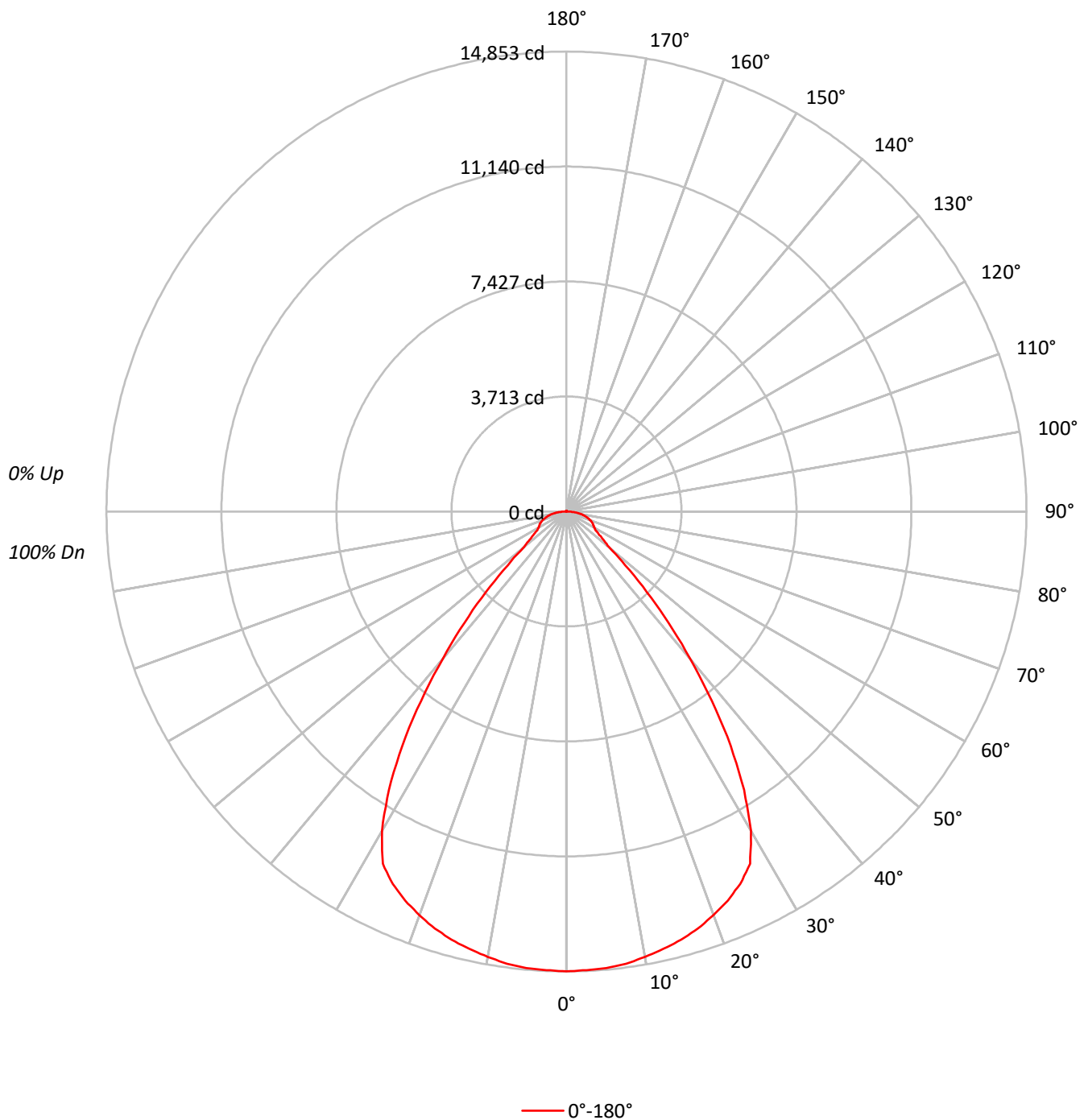
Lumens per Lamp: N/A
Luminaire Lumens: 23180.5 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	111	108	104	102	109	106	103	100	101	99	97		97	96	94		89
2	104	98	93	88	102	96	91	87	92	89	85		89	86	83		79
3	97	89	83	78	95	88	82	77	85	80	76		82	78	74		71
4	91	81	75	69	89	80	74	69	78	72	68		76	71	67		64
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		58
6	80	69	62	57	78	68	61	56	67	60	56		65	60	55		53
7	75	64	57	52	74	63	56	51	62	56	51		60	55	51		49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		45
9	67	55	48	44	65	55	48	43	54	48	43		53	47	43		41
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85647
5°	81501
10°	77514
15°	73885
20°	70200
25°	66336
30°	59289
35°	46168
40°	31327
45°	18891
50°	9432
55°	6943
60°	5931
65°	5691
70°	5253
75°	4572
80°	3509
85°	1927

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18891 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1406.7	6.1
10°-20°	4039.7	17.4
20°-30°	6062.1	26.2
30°-40°	5690.8	24.5
40°-50°	2877.8	12.4
50°-60°	1179.3	5.1
60°-70°	924.9	4.0
70°-80°	682.4	2.9
80°-90°	245.3	1.1
90°-100°	6.9	0.0
100°-110°	7.2	0.0
110°-120°	7.6	0.0
120°-130°	7.9	0.0
130°-140°	9.6	0.0
140°-150°	12.6	0.1
150°-160°	11.3	0.0
160°-170°	6.1	0.0
170°-180°	2.1	0.0
0°-30°	11508.6	49.6
0°-40°	17199.4	74.2
0°-60°	21256.5	91.7
0°-90°	23109.2	99.7
90°-120°	21.7	0.1
90°-150°	51.9	0.2
90°-180°	71.0	0.3
0°-180°	23180.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14853	
5°	14801	###
15°	14317	4040
25°	13270	6062
35°	9245	5691
45°	3672	2878
55°	1268	1179
65°	940	925
75°	653	682
85°	224	231
90°	7	16
95°	6	5
105°	7	7
115°	8	8
125°	8	8
135°	13	10
145°	20	13
155°	24	11
165°	21	6
175°	22	2
180°	24	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14852.9
2.5°	14826.9
5°	14800.8
7.5°	14731.7
10°	14603.8
12.5°	14471.6
15°	14316.7
17.5°	14122.3
20°	13875.7
22.5°	13600.4
25°	13270.4
27.5°	12832.7
30°	11911.8
32.5°	10669.4
35°	9245.1
37.5°	7713.9
40°	6204.7
42.5°	4870.5
45°	3671.8
47.5°	2572.4
50°	1784.5
52.5°	1496.7
55°	1267.7
57.5°	1112.8
60°	1035.4
62.5°	987.4
65°	940.3
67.5°	881.3
70°	812.3
72.5°	737.4
75°	653.2
77.5°	560.6
80°	456.2
82.5°	345.1
85°	223.9
87.5°	101.0
90°	6.7
92.5°	5.9
95°	5.9
97.5°	6.7
100°	6.7
102.5°	6.7
105°	6.7
107.5°	6.7
110°	7.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	7.6
115°	7.6
117.5°	7.6
120°	8.4
122.5°	8.4
125°	8.4
127.5°	9.3
130°	10.1
132.5°	10.9
135°	12.6
137.5°	13.5
140°	16.0
142.5°	17.7
145°	20.2
147.5°	22.7
150°	25.3
152.5°	25.3
155°	24.4
157.5°	23.6
160°	21.9
162.5°	21.0
165°	21.0
167.5°	21.9
170°	21.9
172.5°	21.9
175°	21.9
177.5°	22.7
180°	24.4

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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	14.29	15.53	14.66	15.85	16.18	14.29	15.53	14.66	15.85	16.18
	3H	16.34	17.45	16.73	17.79	18.16	16.34	17.45	16.73	17.79	18.16
	4H	17.14	18.18	17.55	18.54	18.93	17.14	18.18	17.55	18.54	18.93
	6H	17.72	18.67	18.14	19.05	19.45	17.72	18.67	18.14	19.05	19.45
	8H	17.89	18.79	18.33	19.19	19.60	17.89	18.79	18.33	19.19	19.60
	12H	17.97	18.83	18.41	19.22	19.66	17.97	18.83	18.41	19.22	19.66
4H	2H	14.87	15.90	15.28	16.26	16.65	14.87	15.90	15.28	16.26	16.65
	3H	17.11	17.96	17.53	18.37	18.78	17.11	17.96	17.53	18.37	18.78
	4H	18.02	18.79	18.46	19.22	19.67	18.02	18.79	18.46	19.22	19.67
	6H	18.71	19.38	19.18	19.83	20.31	18.71	19.38	19.18	19.83	20.31
	8H	18.92	19.54	19.39	19.99	20.47	18.92	19.54	19.39	19.99	20.47
	12H	19.03	19.58	19.52	20.07	20.55	19.03	19.58	19.52	20.07	20.55
8H	4H	18.28	18.90	18.76	19.36	19.84	18.28	18.90	18.76	19.36	19.84
	6H	19.08	19.59	19.59	20.09	20.58	19.08	19.59	19.59	20.09	20.58
	8H	19.35	19.80	19.88	20.33	20.83	19.35	19.80	19.88	20.33	20.83
	12H	19.53	19.92	20.05	20.43	21.01	19.53	19.92	20.05	20.43	21.01
12H	4H	18.29	18.84	18.79	19.33	19.81	18.29	18.84	18.79	19.33	19.81
	6H	19.11	19.57	19.64	20.09	20.59	19.11	19.57	19.64	20.09	20.59
	8H	19.43	19.83	19.95	20.33	20.91	19.43	19.83	19.95	20.33	20.91

END OF REPORT