

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: P1221520

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221520
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 (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

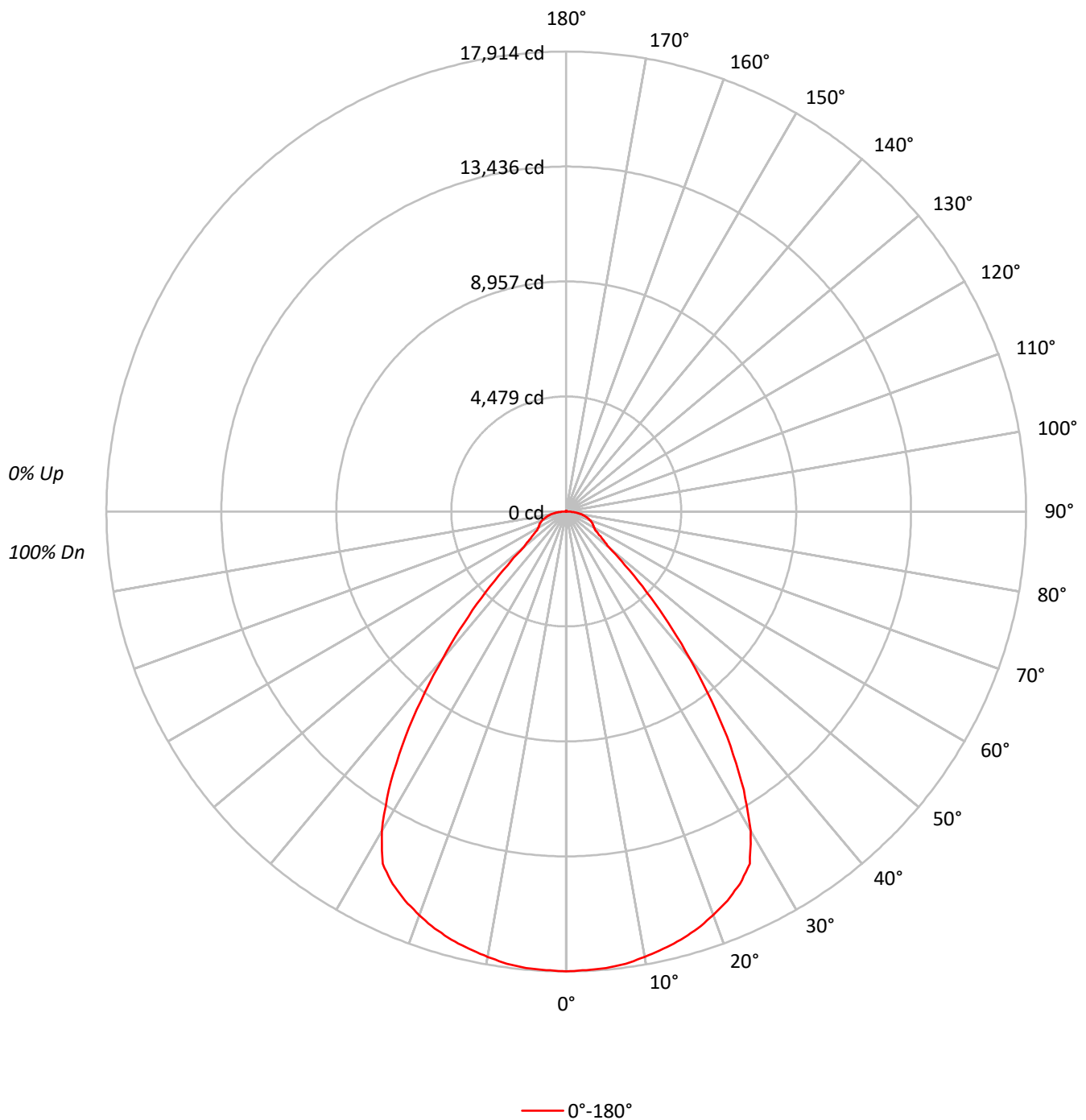
Lumens per Lamp: N/A
Luminaire Lumens: 27957.9 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.1
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	108	104	102	109	106	103	100	101	99	97	97	96	94	94	92	91
2	104	98	93	88	102	96	91	87	92	89	85	89	86	83	86	84	81
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	63	59	55
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103298
5°	98298
10°	93489
15°	89113
20°	84667
25°	80007
30°	71507
35°	55683
40°	37784
45°	22785
50°	11376
55°	8375
60°	7154
65°	6863
70°	6335
75°	5514
80°	4232
85°	2325

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22785 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1696.6	6.1
10°-20°	4872.3	17.4
20°-30°	7311.5	26.2
30°-40°	6863.6	24.5
40°-50°	3470.9	12.4
50°-60°	1422.4	5.1
60°-70°	1115.6	4.0
70°-80°	823.1	2.9
80°-90°	295.9	1.1
90°-100°	8.3	0.0
100°-110°	8.7	0.0
110°-120°	9.2	0.0
120°-130°	9.6	0.0
130°-140°	11.6	0.0
140°-150°	15.2	0.1
150°-160°	13.6	0.0
160°-170°	7.3	0.0
170°-180°	2.5	0.0
0°-30°	13880.4	49.6
0°-40°	20744.0	74.2
0°-60°	25637.3	91.7
0°-90°	27871.8	99.7
90°-120°	26.2	0.1
90°-150°	62.6	0.2
90°-180°	86.0	0.3
0°-180°	27957.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17914	
5°	17851	###
15°	17267	4872
25°	16005	7311
35°	11150	6864
45°	4428	3471
55°	1529	1422
65°	1134	1116
75°	788	823
85°	270	278
90°	8	20
95°	7	6
105°	8	9
115°	9	9
125°	10	10
135°	15	12
145°	24	15
155°	29	14
165°	25	7
175°	26	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17914.0
2.5°	17882.5
5°	17851.1
7.5°	17767.8
10°	17613.5
12.5°	17454.1
15°	17267.3
17.5°	17032.8
20°	16735.3
22.5°	16403.3
25°	16005.3
27.5°	15477.4
30°	14366.7
32.5°	12868.2
35°	11150.4
37.5°	9303.7
40°	7483.4
42.5°	5874.2
45°	4428.5
47.5°	3102.6
50°	2152.3
52.5°	1805.1
55°	1529.0
57.5°	1342.2
60°	1248.8
62.5°	1190.9
65°	1134.0
67.5°	1063.0
70°	979.7
72.5°	889.4
75°	787.8
77.5°	676.2
80°	550.3
82.5°	416.3
85°	270.1
87.5°	121.8
90°	8.1
92.5°	7.1
95°	7.1
97.5°	8.1
100°	8.1
102.5°	8.1
105°	8.1
107.5°	8.1
110°	9.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.1
115°	9.1
117.5°	9.1
120°	10.2
122.5°	10.2
125°	10.2
127.5°	11.2
130°	12.2
132.5°	13.2
135°	15.2
137.5°	16.2
140°	19.3
142.5°	21.3
145°	24.4
147.5°	27.4
150°	30.5
152.5°	30.5
155°	29.4
157.5°	28.4
160°	26.4
162.5°	25.4
165°	25.4
167.5°	26.4
170°	26.4
172.5°	26.4
175°	26.4
177.5°	27.4
180°	29.4

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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	14.94	16.19	15.31	16.51	16.83	14.94	16.19	15.31	16.51	16.83
	3H	17.00	18.10	17.38	18.44	18.81	17.00	18.10	17.38	18.44	18.81
	4H	17.80	18.83	18.21	19.19	19.58	17.80	18.83	18.21	19.19	19.58
	6H	18.37	19.33	18.80	19.70	20.11	18.37	19.33	18.80	19.70	20.11
	8H	18.54	19.44	18.98	19.84	20.25	18.54	19.44	18.98	19.84	20.25
	12H	18.62	19.48	19.06	19.87	20.31	18.62	19.48	19.06	19.87	20.31
4H	2H	15.52	16.55	15.93	16.91	17.30	15.52	16.55	15.93	16.91	17.30
	3H	17.76	18.61	18.18	19.02	19.44	17.76	18.61	18.18	19.02	19.44
	4H	18.67	19.44	19.11	19.87	20.32	18.67	19.44	19.11	19.87	20.32
	6H	19.37	20.03	19.84	20.48	20.96	19.37	20.03	19.84	20.48	20.96
	8H	19.57	20.19	20.04	20.64	21.12	19.57	20.19	20.04	20.64	21.12
	12H	19.68	20.23	20.18	20.72	21.20	19.68	20.23	20.18	20.72	21.20
8H	4H	18.94	19.55	19.41	20.01	20.49	18.94	19.55	19.41	20.01	20.49
	6H	19.73	20.24	20.24	20.74	21.23	19.73	20.24	20.24	20.74	21.23
	8H	20.00	20.46	20.53	20.98	21.48	20.00	20.46	20.53	20.98	21.48
	12H	20.18	20.58	20.70	21.08	21.66	20.18	20.58	20.70	21.08	21.66
12H	4H	18.95	19.49	19.44	19.98	20.46	18.95	19.49	19.44	19.98	20.46
	6H	19.76	20.22	20.29	20.74	21.24	19.76	20.22	20.29	20.74	21.24
	8H	20.08	20.48	20.60	20.98	21.56	20.08	20.48	20.60	20.98	21.56