

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: P1221395

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221395
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

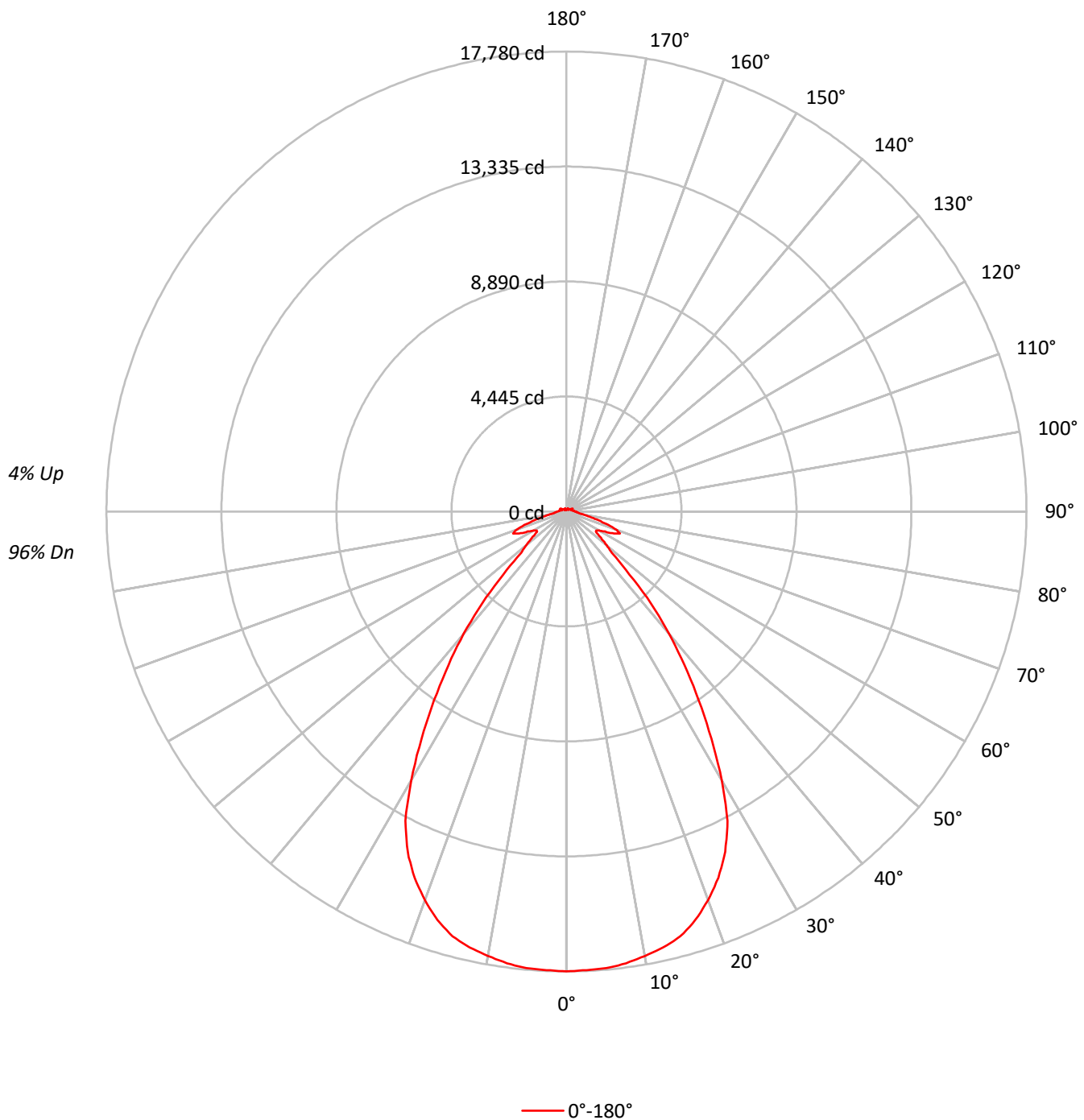
Lumens per Lamp: N/A
Luminaire Lumens: 27613.6 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98
1	110	106	102	99	107	103	100	97	98	95	93	94	91	90	89	88	86
2	102	95	89	84	99	93	88	83	89	84	81	85	81	78	81	79	76
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68
4	88	78	71	65	86	77	70	65	74	68	64	71	66	62	69	65	61
5	83	72	64	59	80	71	64	58	68	62	57	66	61	57	64	59	56
6	78	66	59	53	76	65	58	53	63	57	52	61	56	52	59	55	51
7	73	61	54	49	71	60	53	48	59	52	48	57	51	47	55	50	47
8	69	57	50	45	67	56	49	44	55	48	44	53	48	44	52	47	43
9	65	53	46	41	63	52	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	38	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102526
5°	97616
10°	92608
15°	87763
20°	80933
25°	72599
30°	59731
35°	44507
40°	31153
45°	17769
50°	10695
55°	7584
60°	8459
65°	12267
70°	13189
75°	8397
80°	4904
85°	3662

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 17769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1682.8	6.1
10°-20°	4767.7	17.3
20°-30°	6582.6	23.8
30°-40°	5567.4	20.2
40°-50°	2811.3	10.2
50°-60°	1381.7	5.0
60°-70°	1917.3	6.9
70°-80°	1325.4	4.8
80°-90°	487.0	1.8
90°-100°	305.5	1.1
100°-110°	214.9	0.8
110°-120°	233.4	0.8
120°-130°	110.4	0.4
130°-140°	70.7	0.3
140°-150°	74.7	0.3
150°-160°	53.2	0.2
160°-170°	22.5	0.1
170°-180°	5.2	0.0
0°-30°	13033.1	47.2
0°-40°	18600.4	67.4
0°-60°	22793.4	82.5
0°-90°	26523.2	96.1
90°-120°	753.8	2.7
90°-150°	1009.6	3.7
90°-180°	1090.0	3.9
0°-180°	27613.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17780	
5°	17727	###
15°	17006	4768
25°	14523	6583
35°	8912	5567
45°	3454	2811
55°	1385	1382
65°	2027	1917
75°	1200	1325
85°	425	389
90°	332	185
95°	279	219
105°	183	215
115°	249	233
125°	117	110
135°	88	71
145°	121	75
155°	117	53
165°	76	22
175°	54	5
180°	53	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17780.1
2.5°	17747.3
5°	17727.3
7.5°	17617.0
10°	17447.6
12.5°	17271.8
15°	17005.8
17.5°	16568.5
20°	15997.3
22.5°	15335.9
25°	14523.3
27.5°	13481.1
30°	12000.7
32.5°	10421.0
35°	8912.4
37.5°	7486.7
40°	6170.2
42.5°	4833.8
45°	3453.6
47.5°	2379.5
50°	2023.3
52.5°	1682.6
55°	1384.7
57.5°	1365.6
60°	1476.7
62.5°	1684.5
65°	2027.0
67.5°	2236.5
70°	2039.7
72.5°	1625.2
75°	1199.8
77.5°	869.1
80°	637.7
82.5°	493.8
85°	425.4
87.5°	382.6
90°	332.5
92.5°	302.5
95°	278.8
97.5°	257.8
100°	228.7
102.5°	195.0
105°	183.1
107.5°	199.5
110°	241.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	266.0
115°	248.7
117.5°	214.1
120°	177.6
122.5°	143.9
125°	116.6
127.5°	96.6
130°	85.6
132.5°	82.9
135°	88.4
137.5°	98.4
140°	108.4
142.5°	116.6
145°	121.2
147.5°	123.0
150°	123.0
152.5°	121.2
155°	116.6
157.5°	108.4
160°	98.4
162.5°	87.5
165°	76.5
167.5°	66.5
170°	57.4
172.5°	54.7
175°	53.7
177.5°	52.8
180°	52.8

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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	14.94	16.19	15.37	16.59	17.01	14.94	16.19	15.37	16.59	17.01
	3H	20.15	21.28	20.60	21.69	22.15	20.15	21.28	20.60	21.69	22.15
	4H	20.95	22.01	21.42	22.44	22.92	20.95	22.01	21.42	22.44	22.92
	6H	21.27	22.25	21.75	22.70	23.19	21.27	22.25	21.75	22.70	23.19
	8H	21.35	22.28	21.85	22.75	23.25	21.35	22.28	21.85	22.75	23.25
	12H	21.41	22.30	21.91	22.76	23.29	21.41	22.30	21.91	22.76	23.29
4H	2H	16.68	17.74	17.15	18.17	18.65	16.68	17.74	17.15	18.17	18.65
	3H	21.21	22.10	21.69	22.58	23.08	21.21	22.10	21.69	22.58	23.08
	4H	22.01	22.81	22.51	23.31	23.84	22.01	22.81	22.51	23.31	23.84
	6H	22.38	23.08	22.90	23.60	24.15	22.38	23.08	22.90	23.60	24.15
	8H	22.47	23.12	23.00	23.64	24.20	22.47	23.12	23.00	23.64	24.20
	12H	22.56	23.14	23.11	23.69	24.25	22.56	23.14	23.11	23.69	24.25
8H	4H	22.23	22.88	22.76	23.40	23.96	22.23	22.88	22.76	23.40	23.96
	6H	22.65	23.19	23.22	23.76	24.33	22.65	23.19	23.22	23.76	24.33
	8H	22.79	23.27	23.38	23.85	24.43	22.79	23.27	23.38	23.85	24.43
	12H	22.94	23.36	23.52	23.92	24.58	22.94	23.36	23.52	23.92	24.58
12H	4H	22.21	22.79	22.76	23.34	23.91	22.21	22.79	22.76	23.34	23.91
	6H	22.65	23.13	23.24	23.71	24.29	22.65	23.13	23.24	23.71	24.29
	8H	22.83	23.25	23.41	23.81	24.47	22.83	23.25	23.41	23.81	24.47