

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: P1221431

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221431
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 (6500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

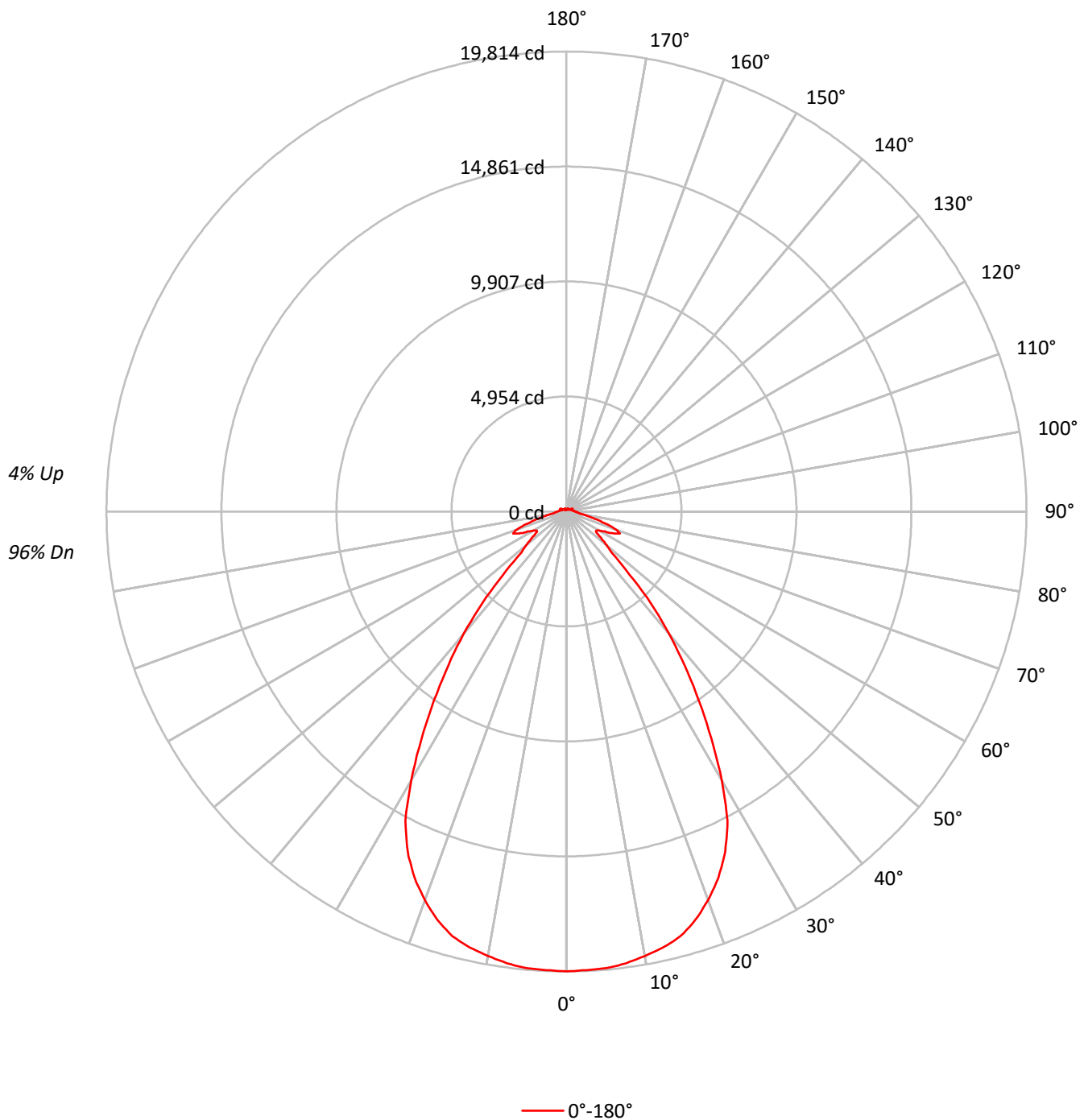
Lumens per Lamp: N/A
Luminaire Lumens: 30773.3 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	0		
R																				
C	0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96	
R	1	110	106	102	99	107	103	100	97	98	95	93	94	91	90	89	88	86	84	
C	2	102	95	89	84	99	93	88	83	89	84	81	85	81	78	81	79	76	74	
R	3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	66	
C	4	88	78	71	65	86	77	70	65	74	68	64	71	66	62	69	65	61	59	
R	5	83	72	64	59	80	71	64	58	68	62	57	66	61	57	64	59	56	54	
C	6	78	66	59	53	76	65	58	53	63	57	52	61	56	52	59	55	51	49	
R	7	73	61	54	49	71	60	53	48	59	52	48	57	51	47	55	50	47	45	
C	8	69	57	50	45	67	56	49	44	55	48	44	53	48	44	52	47	43	41	
R	9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	38	
C	10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	36	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	114257
5°	108785
10°	103204
15°	97805
20°	90194
25°	80906
30°	66565
35°	49599
40°	34718
45°	19802
50°	11919
55°	8452
60°	9427
65°	13671
70°	14699
75°	9358
80°	5466
85°	4081

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19802 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1875.3	6.1
10°-20°	5313.2	17.3
20°-30°	7335.7	23.8
30°-40°	6204.4	20.2
40°-50°	3133.0	10.2
50°-60°	1539.9	5.0
60°-70°	2136.7	6.9
70°-80°	1477.1	4.8
80°-90°	542.8	1.8
90°-100°	340.5	1.1
100°-110°	239.4	0.8
110°-120°	260.1	0.8
120°-130°	123.1	0.4
130°-140°	78.8	0.3
140°-150°	83.2	0.3
150°-160°	59.3	0.2
160°-170°	25.0	0.1
170°-180°	5.8	0.0
0°-30°	14524.3	47.2
0°-40°	20728.7	67.4
0°-60°	25401.5	82.5
0°-90°	29558.1	96.1
90°-120°	840.0	2.7
90°-150°	1125.1	3.7
90°-180°	1215.0	3.9
0°-180°	30773.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19814	
5°	19756	###
15°	18952	5313
25°	16185	7336
35°	9932	6204
45°	3849	3133
55°	1543	1540
65°	2259	2137
75°	1337	1477
85°	474	434
90°	371	206
95°	311	244
105°	204	239
115°	277	260
125°	130	123
135°	98	79
145°	135	83
155°	130	59
165°	85	25
175°	60	6
180°	59	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19814.5
2.5°	19778.0
5°	19755.7
7.5°	19632.8
10°	19444.0
12.5°	19248.0
15°	18951.6
17.5°	18464.3
20°	17827.7
22.5°	17090.6
25°	16185.0
27.5°	15023.6
30°	13373.8
32.5°	11613.4
35°	9932.1
37.5°	8343.3
40°	6876.3
42.5°	5386.9
45°	3848.8
47.5°	2651.8
50°	2254.9
52.5°	1875.2
55°	1543.2
57.5°	1521.9
60°	1645.7
62.5°	1877.2
65°	2258.9
67.5°	2492.4
70°	2273.1
72.5°	1811.2
75°	1337.1
77.5°	968.5
80°	710.7
82.5°	550.3
85°	474.1
87.5°	426.4
90°	370.6
92.5°	337.1
95°	310.7
97.5°	287.3
100°	254.8
102.5°	217.3
105°	204.1
107.5°	222.3
110°	269.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	296.5
115°	277.2
117.5°	238.6
120°	198.0
122.5°	160.4
125°	130.0
127.5°	107.6
130°	95.4
132.5°	92.4
135°	98.5
137.5°	109.6
140°	120.8
142.5°	130.0
145°	135.0
147.5°	137.1
150°	137.1
152.5°	135.0
155°	130.0
157.5°	120.8
160°	109.6
162.5°	97.5
165°	85.3
167.5°	74.1
170°	64.0
172.5°	60.9
175°	59.9
177.5°	58.9
180°	58.9

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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	15.31	16.57	15.75	16.97	17.38	15.31	16.57	15.75	16.97	17.38
	3H	20.53	21.65	20.97	22.07	22.53	20.53	21.65	20.97	22.07	22.53
	4H	21.33	22.39	21.80	22.82	23.30	21.33	22.39	21.80	22.82	23.30
	6H	21.65	22.63	22.13	23.08	23.57	21.65	22.63	22.13	23.08	23.57
	8H	21.72	22.65	22.22	23.12	23.62	21.72	22.65	22.22	23.12	23.62
	12H	21.79	22.67	22.29	23.14	23.66	21.79	22.67	22.29	23.14	23.66
4H	2H	17.06	18.12	17.53	18.55	19.03	17.06	18.12	17.53	18.55	19.03
	3H	21.58	22.47	22.07	22.95	23.45	21.58	22.47	22.07	22.95	23.45
	4H	22.39	23.19	22.89	23.68	24.22	22.39	23.19	22.89	23.68	24.22
	6H	22.75	23.45	23.28	23.97	24.53	22.75	23.45	23.28	23.97	24.53
	8H	22.85	23.50	23.38	24.02	24.58	22.85	23.50	23.38	24.02	24.58
	12H	22.93	23.51	23.48	24.07	24.63	22.93	23.51	23.48	24.07	24.63
8H	4H	22.60	23.26	23.14	23.77	24.34	22.60	23.26	23.14	23.77	24.34
	6H	23.03	23.57	23.60	24.13	24.70	23.03	23.57	23.60	24.13	24.70
	8H	23.17	23.65	23.75	24.23	24.81	23.17	23.65	23.75	24.23	24.81
	12H	23.32	23.74	23.90	24.30	24.96	23.32	23.74	23.90	24.30	24.96
12H	4H	22.59	23.17	23.14	23.72	24.29	22.59	23.17	23.14	23.72	24.29
	6H	23.03	23.51	23.61	24.09	24.67	23.03	23.51	23.61	24.09	24.67
	8H	23.21	23.63	23.79	24.19	24.85	23.21	23.63	23.79	24.19	24.85