

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: P1221398

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221398
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_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

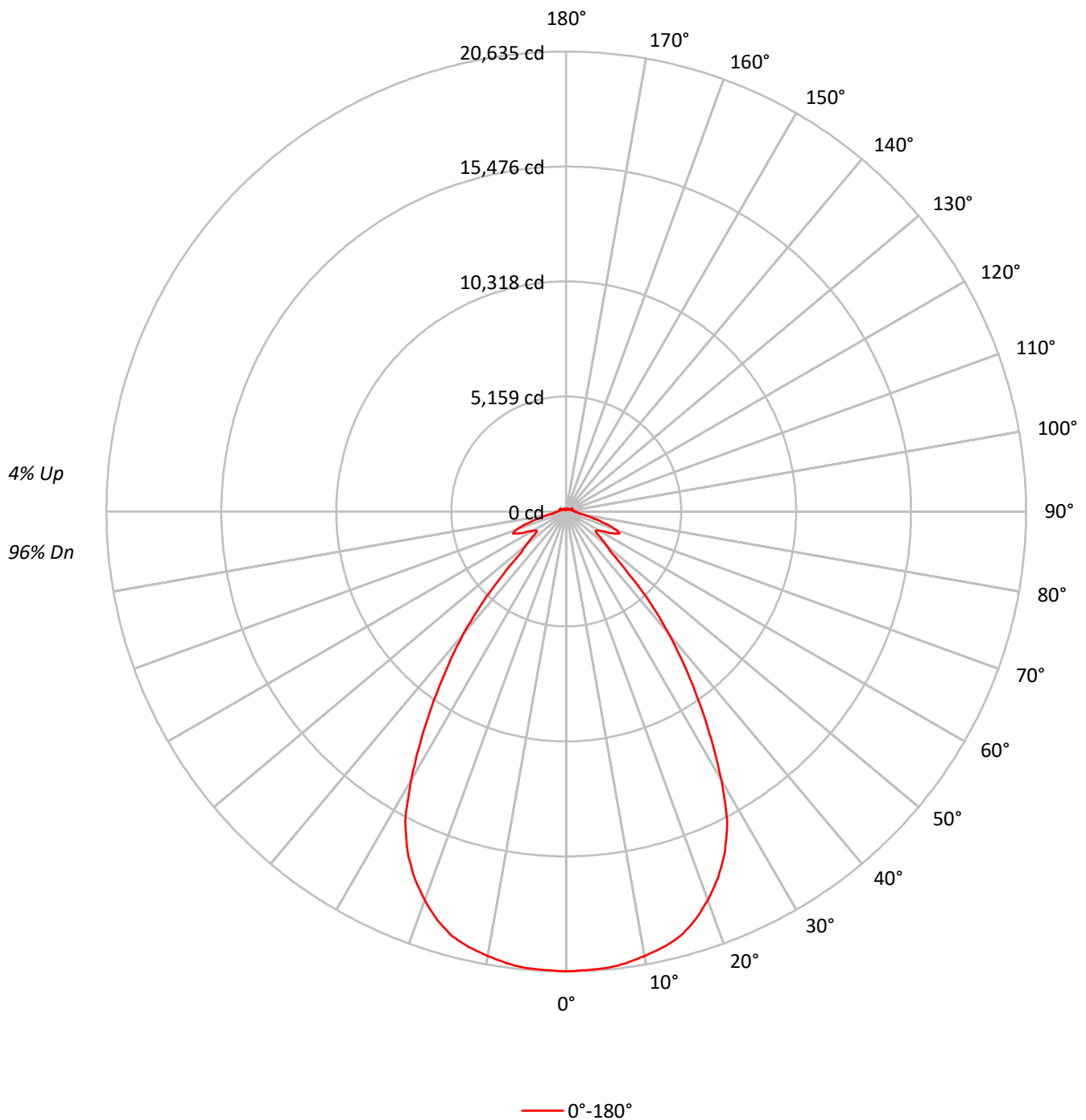
Lumens per Lamp: N/A
Luminaire Lumens: 32047.1 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 236.8
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	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	98	98	98	98	98			
1	110	106	102	99	107	103	100	97	98	95	93	94	91	90	89	88	86	86	86	86	86	84			
2	102	95	89	84	99	93	88	83	89	84	81	85	81	78	81	79	76	76	76	76	74	74			
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	68	68	68	66	66			
4	88	78	71	65	86	77	70	65	74	68	64	71	66	62	69	65	61	61	61	61	59	59			
5	83	72	64	59	80	71	64	58	68	62	57	66	61	57	64	59	56	56	56	56	54	54			
6	78	66	59	53	76	65	58	53	63	57	52	61	56	52	59	55	51	51	51	51	49	49			
7	73	61	54	49	71	60	53	48	59	52	48	57	51	47	55	50	47	47	47	47	45	45			
8	69	57	50	45	67	56	49	44	55	48	44	53	48	44	52	47	43	43	43	43	41	41			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	40	40	40	38	38			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	37	37	37	36	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118987
5°	113288
10°	107477
15°	101854
20°	93927
25°	84255
30°	69321
35°	51652
40°	36155
45°	20622
50°	12412
55°	8802
60°	9817
65°	14237
70°	15307
75°	9745
80°	5692
85°	4249

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20622 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1953.0	6.1
10°-20°	5533.2	17.3
20°-30°	7639.4	23.8
30°-40°	6461.2	20.2
40°-50°	3262.6	10.2
50°-60°	1603.6	5.0
60°-70°	2225.1	6.9
70°-80°	1538.2	4.8
80°-90°	565.2	1.8
90°-100°	354.6	1.1
100°-110°	249.4	0.8
110°-120°	270.8	0.8
120°-130°	128.1	0.4
130°-140°	82.1	0.3
140°-150°	86.6	0.3
150°-160°	61.7	0.2
160°-170°	26.1	0.1
170°-180°	6.1	0.0
0°-30°	15125.5	47.2
0°-40°	21586.8	67.4
0°-60°	26453.0	82.5
0°-90°	30781.6	96.1
90°-120°	874.8	2.7
90°-150°	1171.6	3.7
90°-180°	1265.0	3.9
0°-180°	32047.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20635	
5°	20573	###
15°	19736	5533
25°	16855	7639
35°	10343	6461
45°	4008	3263
55°	1607	1604
65°	2352	2225
75°	1392	1538
85°	494	451
90°	386	215
95°	324	254
105°	212	249
115°	289	271
125°	135	128
135°	103	82
145°	141	87
155°	135	62
165°	89	26
175°	62	6
180°	61	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20634.8
2.5°	20596.7
5°	20573.4
7.5°	20445.5
10°	20248.9
12.5°	20044.8
15°	19736.1
17.5°	19228.6
20°	18565.7
22.5°	17798.1
25°	16855.0
27.5°	15645.5
30°	13927.4
32.5°	12094.1
35°	10343.3
37.5°	8688.7
40°	7160.9
42.5°	5609.9
45°	4008.1
47.5°	2761.6
50°	2348.2
52.5°	1952.8
55°	1607.1
57.5°	1584.8
60°	1713.8
62.5°	1954.9
65°	2352.4
67.5°	2595.6
70°	2367.2
72.5°	1886.2
75°	1392.4
77.5°	1008.6
80°	740.1
82.5°	573.0
85°	493.7
87.5°	444.1
90°	385.9
92.5°	351.0
95°	323.5
97.5°	299.2
100°	265.4
102.5°	226.3
105°	212.5
107.5°	231.5
110°	280.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	308.7
115°	288.6
117.5°	248.5
120°	206.2
122.5°	167.0
125°	135.3
127.5°	112.1
130°	99.4
132.5°	96.2
135°	102.6
137.5°	114.2
140°	125.8
142.5°	135.3
145°	140.6
147.5°	142.7
150°	142.7
152.5°	140.6
155°	135.3
157.5°	125.8
160°	114.2
162.5°	101.5
165°	88.8
167.5°	77.2
170°	66.6
172.5°	63.4
175°	62.4
177.5°	61.3
180°	61.3

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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	15.45	16.71	15.89	17.11	17.52	15.45	16.71	15.89	17.11	17.52
	3H	20.67	21.79	21.11	22.21	22.67	20.67	21.79	21.11	22.21	22.67
	4H	21.47	22.53	21.94	22.96	23.44	21.47	22.53	21.94	22.96	23.44
	6H	21.79	22.77	22.27	23.22	23.71	21.79	22.77	22.27	23.22	23.71
	8H	21.87	22.79	22.36	23.26	23.76	21.87	22.79	22.36	23.26	23.76
	12H	21.93	22.82	22.43	23.28	23.80	21.93	22.82	22.43	23.28	23.80
4H	2H	17.20	18.26	17.67	18.69	19.17	17.20	18.26	17.67	18.69	19.17
	3H	21.73	22.61	22.21	23.09	23.59	21.73	22.61	22.21	23.09	23.59
	4H	22.53	23.33	23.03	23.82	24.36	22.53	23.33	23.03	23.82	24.36
	6H	22.90	23.59	23.42	24.11	24.67	22.90	23.59	23.42	24.11	24.67
	8H	22.99	23.64	23.52	24.16	24.72	22.99	23.64	23.52	24.16	24.72
	12H	23.07	23.65	23.63	24.21	24.77	23.07	23.65	23.63	24.21	24.77
8H	4H	22.74	23.40	23.28	23.92	24.48	22.74	23.40	23.28	23.92	24.48
	6H	23.17	23.71	23.74	24.27	24.84	23.17	23.71	23.74	24.27	24.84
	8H	23.31	23.79	23.89	24.37	24.95	23.31	23.79	23.89	24.37	24.95
	12H	23.46	23.88	24.04	24.44	25.10	23.46	23.88	24.04	24.44	25.10
12H	4H	22.73	23.31	23.28	23.86	24.43	22.73	23.31	23.28	23.86	24.43
	6H	23.17	23.65	23.75	24.23	24.81	23.17	23.65	23.75	24.23	24.81
	8H	23.35	23.77	23.93	24.33	24.99	23.35	23.77	23.93	24.33	24.99