

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: P1221425

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (5000K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221425
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 (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

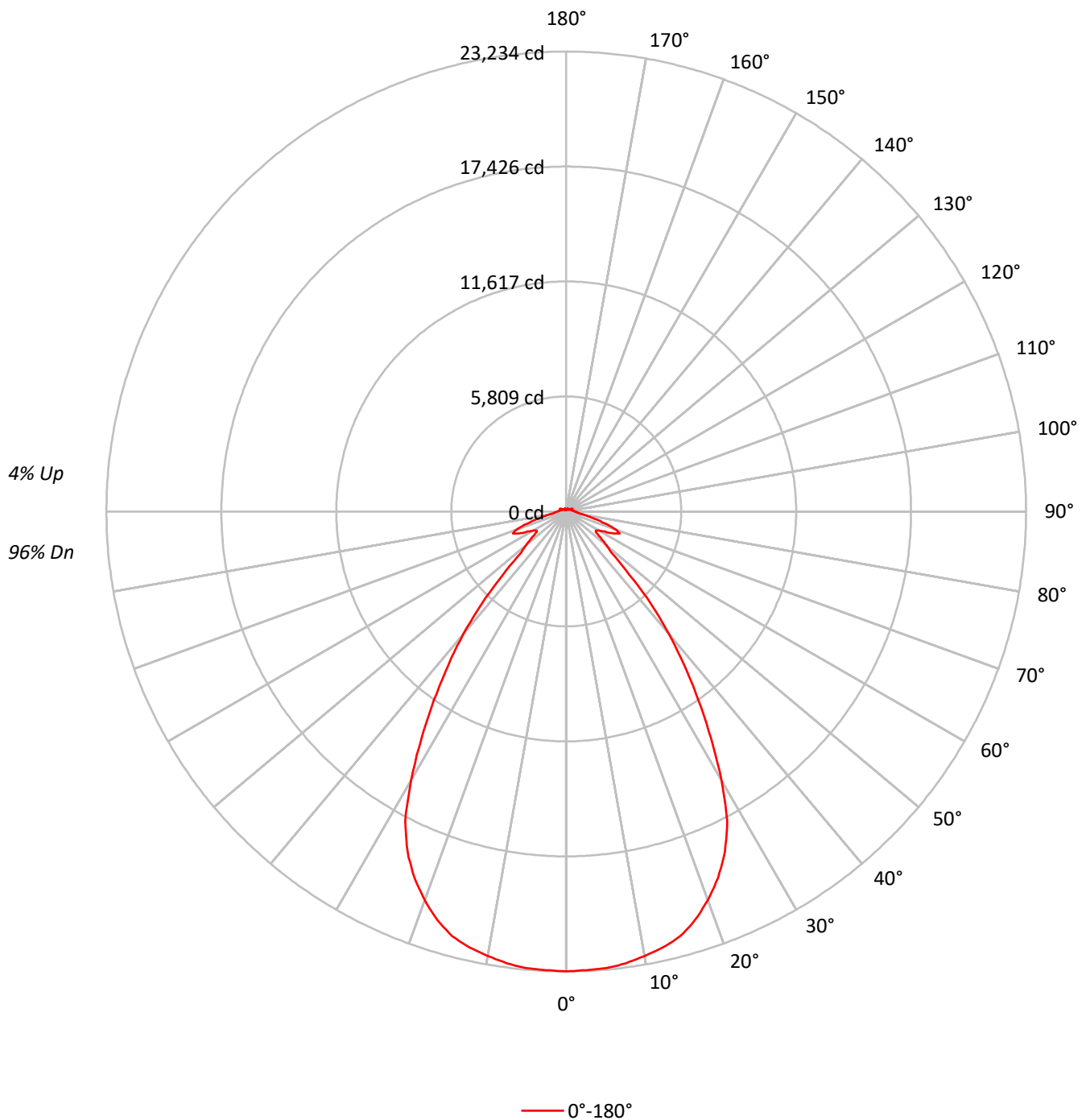
Lumens per Lamp: N/A
Luminaire Lumens: 36084.2 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 230.2
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	76	74			
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	68	68	68	68	66			
4	88	78	71	65	86	77	70	65	74	68	64	71	66	62	69	65	61	61	61	61	61	59			
5	83	72	64	59	80	71	64	58	68	62	57	66	61	57	64	59	56	56	56	56	56	54			
6	78	66	59	53	76	65	58	53	63	57	52	61	56	52	59	55	51	51	51	51	51	49			
7	73	61	54	49	71	60	53	48	59	52	48	57	51	47	55	50	47	47	47	47	47	45			
8	69	57	50	45	67	56	49	44	55	48	44	53	48	44	52	47	43	43	43	43	43	41			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	40	40	40	40	38			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	37	37	37	37	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	133976
5°	127560
10°	121016
15°	114684
20°	105760
25°	94869
30°	78053
35°	58159
40°	40710
45°	23219
50°	13975
55°	9911
60°	11054
65°	16030
70°	17235
75°	10973
80°	6409
85°	4785

MAXIMUM LUMINANCE 45°-90°:

Luminance: 23219 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2199.0	6.1
10°-20°	6230.2	17.3
20°-30°	8601.8	23.8
30°-40°	7275.2	20.2
40°-50°	3673.7	10.2
50°-60°	1805.6	5.0
60°-70°	2505.5	6.9
70°-80°	1732.0	4.8
80°-90°	636.4	1.8
90°-100°	399.2	1.1
100°-110°	280.8	0.8
110°-120°	305.0	0.8
120°-130°	144.3	0.4
130°-140°	92.4	0.3
140°-150°	97.6	0.3
150°-160°	69.5	0.2
160°-170°	29.3	0.1
170°-180°	6.8	0.0
0°-30°	17031.0	47.2
0°-40°	24306.1	67.4
0°-60°	29785.4	82.5
0°-90°	34659.3	96.1
90°-120°	985.0	2.7
90°-150°	1319.2	3.7
90°-180°	1425.0	3.9
0°-180°	36084.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23234	
5°	23165	###
15°	22222	6230
25°	18978	8602
35°	11646	7275
45°	4513	3674
55°	1810	1806
65°	2649	2505
75°	1568	1732
85°	556	508
90°	434	242
95°	364	286
105°	239	281
115°	325	305
125°	152	144
135°	116	92
145°	158	98
155°	152	70
165°	100	29
175°	70	7
180°	69	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	23234.2
2.5°	23191.4
5°	23165.2
7.5°	23021.1
10°	22799.7
12.5°	22569.9
15°	22222.3
17.5°	21650.9
20°	20904.5
22.5°	20040.2
25°	18978.3
27.5°	17616.4
30°	15681.9
32.5°	13617.7
35°	11646.3
37.5°	9783.2
40°	8063.0
42.5°	6316.6
45°	4513.0
47.5°	3109.5
50°	2644.0
52.5°	2198.8
55°	1809.5
57.5°	1784.5
60°	1929.7
62.5°	2201.2
65°	2648.8
67.5°	2922.6
70°	2665.4
72.5°	2123.8
75°	1567.8
77.5°	1135.7
80°	833.3
82.5°	645.2
85°	555.9
87.5°	500.0
90°	434.5
92.5°	395.2
95°	364.3
97.5°	336.9
100°	298.8
102.5°	254.8
105°	239.3
107.5°	260.7
110°	315.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	347.6
115°	325.0
117.5°	279.8
120°	232.1
122.5°	188.1
125°	152.4
127.5°	126.2
130°	111.9
132.5°	108.3
135°	115.5
137.5°	128.6
140°	141.7
142.5°	152.4
145°	158.3
147.5°	160.7
150°	160.7
152.5°	158.3
155°	152.4
157.5°	141.7
160°	128.6
162.5°	114.3
165°	100.0
167.5°	86.9
170°	75.0
172.5°	71.4
175°	70.2
177.5°	69.0
180°	69.0

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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	15.87	17.12	16.30	17.52	17.93	15.87	17.12	16.30	17.52	17.93
	3H	21.08	22.21	21.53	22.62	23.08	21.08	22.21	21.53	22.62	23.08
	4H	21.88	22.94	22.35	23.37	23.85	21.88	22.94	22.35	23.37	23.85
	6H	22.20	23.18	22.68	23.63	24.12	22.20	23.18	22.68	23.63	24.12
	8H	22.28	23.21	22.77	23.68	24.18	22.28	23.21	22.77	23.68	24.18
	12H	22.34	23.23	22.84	23.69	24.21	22.34	23.23	22.84	23.69	24.21
4H	2H	17.61	18.67	18.08	19.10	19.58	17.61	18.67	18.08	19.10	19.58
	3H	22.14	23.03	22.62	23.51	24.01	22.14	23.03	22.62	23.51	24.01
	4H	22.94	23.74	23.44	24.24	24.77	22.94	23.74	23.44	24.24	24.77
	6H	23.31	24.01	23.83	24.52	25.08	23.31	24.01	23.83	24.52	25.08
	8H	23.40	24.05	23.93	24.57	25.13	23.40	24.05	23.93	24.57	25.13
	12H	23.49	24.07	24.04	24.62	25.18	23.49	24.07	24.04	24.62	25.18
8H	4H	23.16	23.81	23.69	24.33	24.89	23.16	23.81	23.69	24.33	24.89
	6H	23.58	24.12	24.15	24.69	25.26	23.58	24.12	24.15	24.69	25.26
	8H	23.72	24.20	24.31	24.78	25.36	23.72	24.20	24.31	24.78	25.36
	12H	23.87	24.29	24.45	24.85	25.51	23.87	24.29	24.45	24.85	25.51
12H	4H	23.14	23.72	23.69	24.27	24.84	23.14	23.72	23.69	24.27	24.84
	6H	23.58	24.06	24.16	24.64	25.22	23.58	24.06	24.16	24.64	25.22
	8H	23.76	24.18	24.34	24.74	25.40	23.76	24.18	24.34	24.74	25.40

END OF REPORT