

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: P1221416

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (4000K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221416
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 (4000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

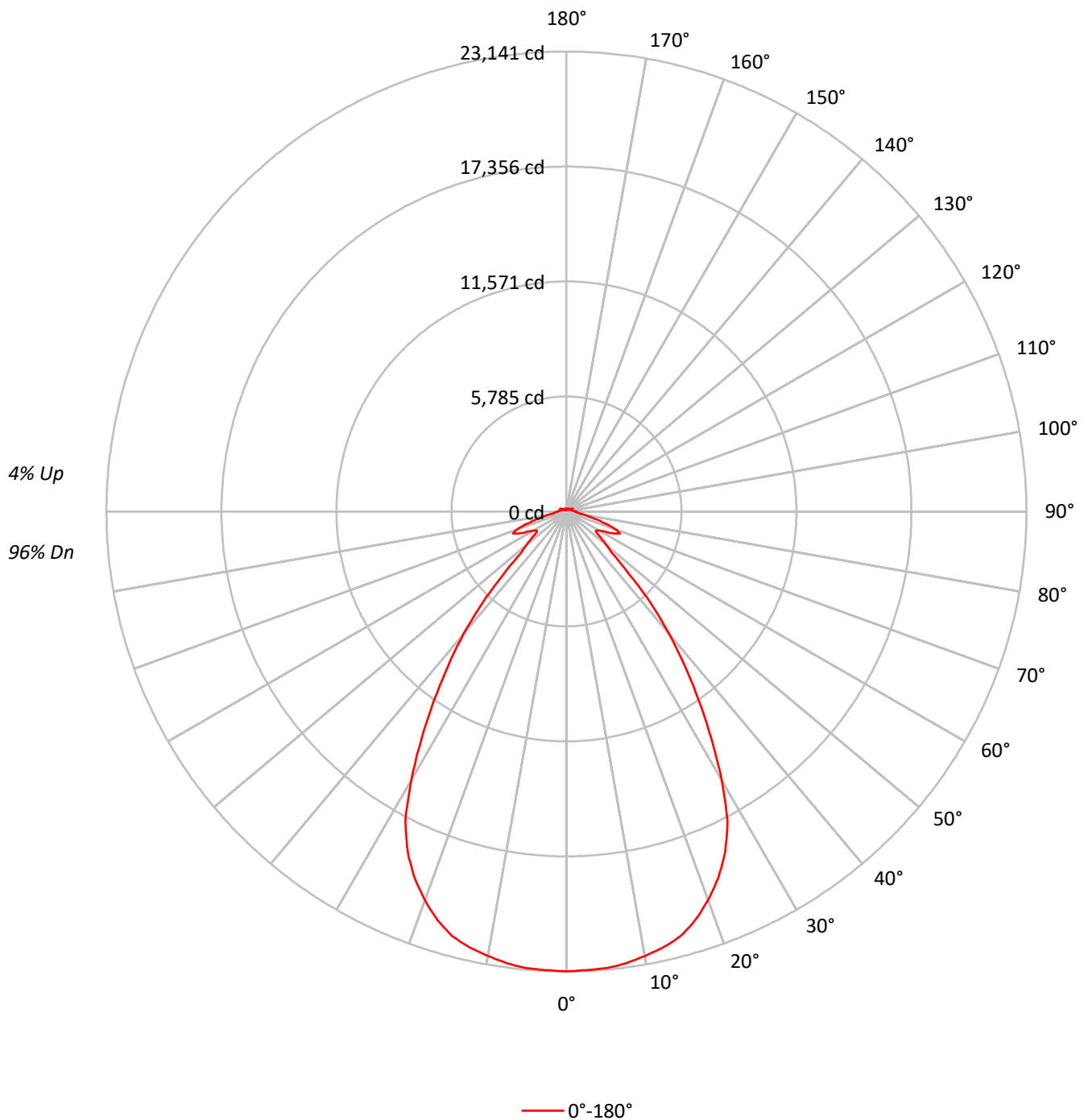
Lumens per Lamp: N/A
Luminaire Lumens: 35939.9 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
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°	133440
5°	127049
10°	120532
15°	114226
20°	105336
25°	94489
30°	77741
35°	57927
40°	40547
45°	23127
50°	13919
55°	9872
60°	11010
65°	15966
70°	17167
75°	10930
80°	6383
85°	4766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 23127 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2190.2	6.1
10°-20°	6205.3	17.3
20°-30°	8567.4	23.8
30°-40°	7246.1	20.2
40°-50°	3658.9	10.2
50°-60°	1798.4	5.0
60°-70°	2495.5	6.9
70°-80°	1725.1	4.8
80°-90°	633.9	1.8
90°-100°	397.7	1.1
100°-110°	279.6	0.8
110°-120°	303.7	0.8
120°-130°	143.7	0.4
130°-140°	92.1	0.3
140°-150°	97.2	0.3
150°-160°	69.3	0.2
160°-170°	29.2	0.1
170°-180°	6.8	0.0
0°-30°	16962.8	47.2
0°-40°	24208.9	67.4
0°-60°	29666.2	82.5
0°-90°	34520.7	96.1
90°-120°	981.0	2.7
90°-150°	1314.0	3.7
90°-180°	1419.0	3.9
0°-180°	35939.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23141	
5°	23072	###
15°	22133	6205
25°	18902	8567
35°	11600	7246
45°	4495	3659
55°	1802	1798
65°	2638	2495
75°	1562	1725
85°	554	506
90°	433	241
95°	363	284
105°	238	280
115°	324	304
125°	152	144
135°	115	92
145°	158	97
155°	152	69
165°	100	29
175°	70	7
180°	69	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23141.3
2.5°	23098.6
5°	23072.5
7.5°	22929.0
10°	22708.5
12.5°	22479.6
15°	22133.4
17.5°	21564.3
20°	20820.8
22.5°	19960.0
25°	18902.4
27.5°	17545.9
30°	15619.2
32.5°	13563.2
35°	11599.7
37.5°	9744.1
40°	8030.7
42.5°	6291.3
45°	4495.0
47.5°	3097.0
50°	2633.4
52.5°	2190.0
55°	1802.3
57.5°	1777.4
60°	1922.0
62.5°	2192.4
65°	2638.2
67.5°	2910.9
70°	2654.8
72.5°	2115.3
75°	1561.6
77.5°	1131.2
80°	830.0
82.5°	642.6
85°	553.7
87.5°	498.0
90°	432.8
92.5°	393.7
95°	362.8
97.5°	335.6
100°	297.6
102.5°	253.7
105°	238.3
107.5°	259.7
110°	314.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	346.2
115°	323.7
117.5°	278.6
120°	231.2
122.5°	187.3
125°	151.8
127.5°	125.7
130°	111.5
132.5°	107.9
135°	115.0
137.5°	128.1
140°	141.1
142.5°	151.8
145°	157.7
147.5°	160.1
150°	160.1
152.5°	157.7
155°	151.8
157.5°	141.1
160°	128.1
162.5°	113.8
165°	99.6
167.5°	86.6
170°	74.7
172.5°	71.1
175°	70.0
177.5°	68.8
180°	68.8

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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	15.85	17.11	16.29	17.50	17.92	15.85	17.11	16.29	17.50	17.92
	3H	21.06	22.19	21.51	22.61	23.07	21.06	22.19	21.51	22.61	23.07
	4H	21.87	22.93	22.34	23.36	23.84	21.87	22.93	22.34	23.36	23.84
	6H	22.19	23.17	22.67	23.62	24.11	22.19	23.17	22.67	23.62	24.11
	8H	22.26	23.19	22.76	23.66	24.16	22.26	23.19	22.76	23.66	24.16
	12H	22.32	23.21	22.82	23.68	24.20	22.32	23.21	22.82	23.68	24.20
4H	2H	17.60	18.66	18.07	19.09	19.57	17.60	18.66	18.07	19.09	19.57
	3H	22.12	23.01	22.61	23.49	23.99	22.12	23.01	22.61	23.49	23.99
	4H	22.93	23.73	23.43	24.22	24.76	22.93	23.73	23.43	24.22	24.76
	6H	23.29	23.99	23.82	24.51	25.07	23.29	23.99	23.82	24.51	25.07
	8H	23.39	24.04	23.92	24.56	25.12	23.39	24.04	23.92	24.56	25.12
	12H	23.47	24.05	24.02	24.60	25.17	23.47	24.05	24.02	24.60	25.17
8H	4H	23.14	23.80	23.67	24.31	24.88	23.14	23.80	23.67	24.31	24.88
	6H	23.57	24.11	24.13	24.67	25.24	23.57	24.11	24.13	24.67	25.24
	8H	23.71	24.19	24.29	24.77	25.35	23.71	24.19	24.29	24.77	25.35
	12H	23.86	24.28	24.44	24.84	25.50	23.86	24.28	24.44	24.84	25.50
12H	4H	23.13	23.71	23.68	24.26	24.83	23.13	23.71	23.68	24.26	24.83
	6H	23.57	24.05	24.15	24.63	25.21	23.57	24.05	24.15	24.63	25.21
	8H	23.75	24.17	24.33	24.73	25.39	23.75	24.17	24.33	24.73	25.39