

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: P1221429

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221429
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-27)
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_L24_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

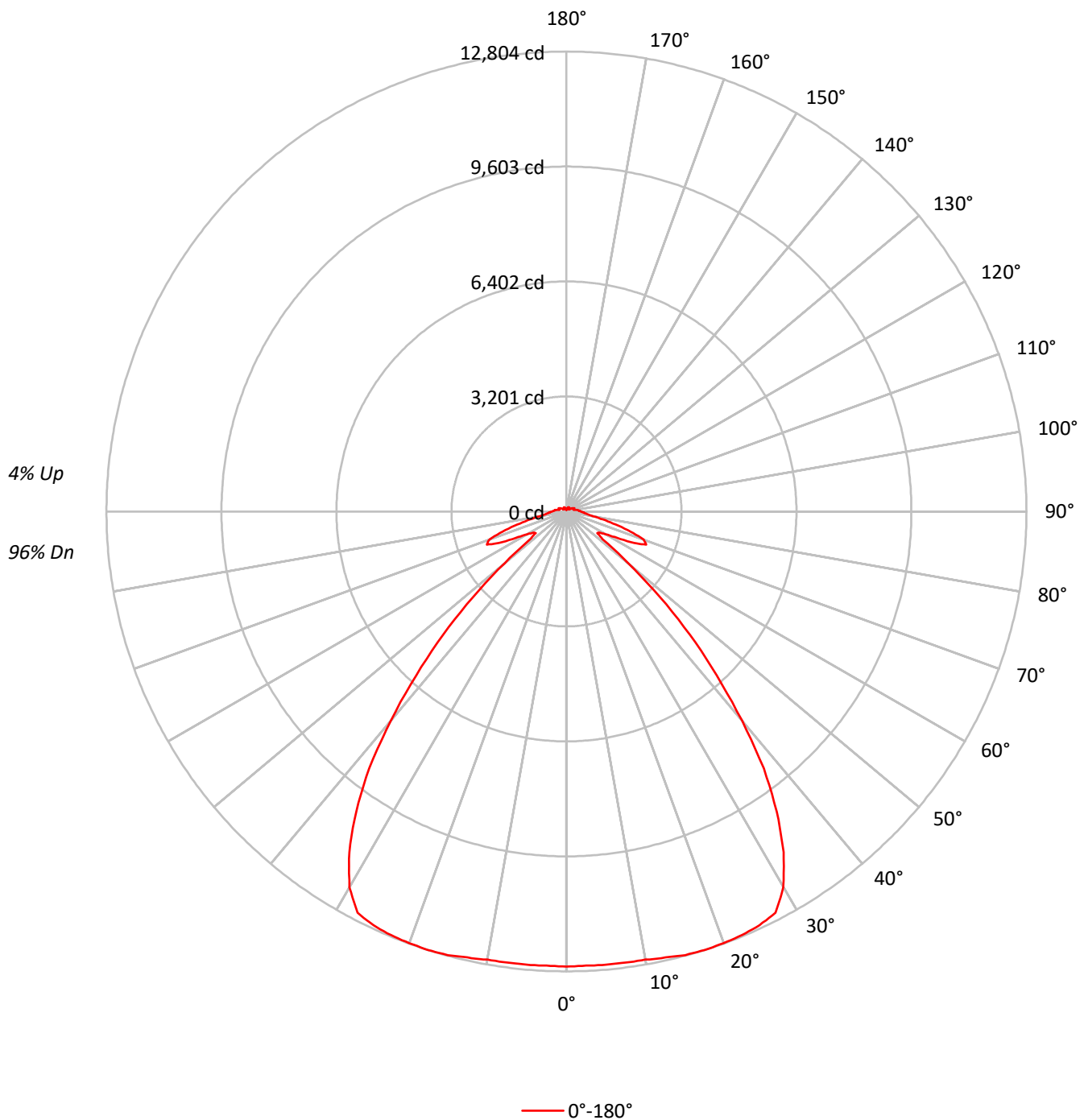
Lumens per Lamp: N/A
Luminaire Lumens: 27026.8 lumens
Efficiency: N/A
Efficacy: 174.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.21
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 154.6
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
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	96
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	88	87	85	85	85	83
2	101	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74	74	74	72
3	93	84	77	71	91	82	76	70	79	73	69	76	71	67	73	69	65	65	65	63
4	87	76	68	63	84	75	67	62	72	66	61	69	64	59	66	62	58	58	58	56
5	81	69	61	56	78	68	61	55	66	59	54	63	58	53	61	56	52	52	52	50
6	75	63	56	50	73	62	55	50	60	54	49	58	52	48	56	51	47	47	47	45
7	70	58	51	45	69	57	50	45	56	49	44	54	48	44	52	47	43	43	43	41
8	66	54	46	41	64	53	46	41	51	45	40	50	44	40	49	43	39	39	39	38
9	62	50	43	37	61	49	42	37	48	41	37	46	41	37	45	40	36	36	36	34
10	58	46	39	34	57	46	39	34	45	38	34	43	38	34	42	37	33	33	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73070
5°	69764
10°	67259
15°	65979
20°	64693
25°	63536
30°	60119
35°	50953
40°	38335
45°	25000
50°	11845
55°	5704
60°	7245
65°	12595
70°	14756
75°	9894
80°	5828
85°	4320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 25000 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1209.2	4.5
10°-20°	3619.0	13.4
20°-30°	5837.2	21.6
30°-40°	6276.4	23.2
40°-50°	3718.2	13.8
50°-60°	1151.2	4.3
60°-70°	1954.3	7.2
70°-80°	1538.2	5.7
80°-90°	577.5	2.1
90°-100°	364.2	1.3
100°-110°	226.4	0.8
110°-120°	214.5	0.8
120°-130°	103.8	0.4
130°-140°	72.0	0.3
140°-150°	80.2	0.3
150°-160°	55.8	0.2
160°-170°	23.8	0.1
170°-180°	5.0	0.0
0°-30°	10665.4	39.5
0°-40°	16941.8	62.7
0°-60°	21811.2	80.7
0°-90°	25881.2	95.8
90°-120°	805.0	3.0
90°-150°	1061.1	3.9
90°-180°	1146.0	4.2
0°-180°	27026.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12672	
5°	12669	###
15°	12785	3619
25°	12710	5837
35°	10203	6276
45°	4859	3718
55°	1041	1151
65°	2081	1954
75°	1414	1538
85°	502	461
90°	398	221
95°	333	260
105°	192	226
115°	228	214
125°	110	104
135°	90	72
145°	130	80
155°	122	56
165°	81	24
175°	49	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12671.8
2.5°	12655.9
5°	12669.3
7.5°	12667.6
10°	12671.8
12.5°	12721.9
15°	12784.7
17.5°	12803.9
20°	12787.2
22.5°	12767.1
25°	12710.2
27.5°	12599.0
30°	12078.7
32.5°	11249.8
35°	10203.3
37.5°	9023.9
40°	7592.7
42.5°	6189.1
45°	4859.1
47.5°	3530.8
50°	2240.9
52.5°	1264.8
55°	1041.4
57.5°	1101.6
60°	1264.8
62.5°	1584.3
65°	2081.1
67.5°	2404.0
70°	2281.9
72.5°	1874.5
75°	1413.6
77.5°	1031.4
80°	757.8
82.5°	584.7
85°	501.9
87.5°	454.2
90°	398.2
92.5°	363.0
95°	332.9
97.5°	305.3
100°	268.5
102.5°	222.5
105°	191.6
107.5°	194.9
110°	224.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	240.9
115°	228.4
117.5°	198.2
120°	165.6
122.5°	134.7
125°	109.6
127.5°	92.0
130°	81.1
132.5°	80.3
135°	89.5
137.5°	104.6
140°	118.8
142.5°	128.0
145°	130.5
147.5°	129.7
150°	127.1
152.5°	125.5
155°	122.1
157.5°	116.3
160°	105.4
162.5°	94.5
165°	81.1
167.5°	68.6
170°	57.7
172.5°	51.9
175°	49.4
177.5°	48.5
180°	48.5

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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	13.47	14.78	13.91	15.18	15.60	13.47	14.78	13.91	15.18	15.60
	3H	20.42	21.59	20.87	22.01	22.48	20.42	21.59	20.87	22.01	22.48
	4H	21.43	22.53	21.90	22.97	23.45	21.43	22.53	21.90	22.97	23.45
	6H	21.84	22.86	22.32	23.31	23.81	21.84	22.86	22.32	23.31	23.81
	8H	21.94	22.91	22.44	23.38	23.89	21.94	22.91	22.44	23.38	23.89
	12H	22.02	22.95	22.52	23.42	23.95	22.02	22.95	22.52	23.42	23.95
4H	2H	16.02	17.12	16.49	17.56	18.04	16.02	17.12	16.49	17.56	18.04
	3H	21.60	22.53	22.09	23.01	23.52	21.60	22.53	22.09	23.01	23.52
	4H	22.59	23.43	23.09	23.92	24.47	22.59	23.43	23.09	23.92	24.47
	6H	23.04	23.77	23.57	24.30	24.86	23.04	23.77	23.57	24.30	24.86
	8H	23.16	23.85	23.69	24.37	24.94	23.16	23.85	23.69	24.37	24.94
	12H	23.27	23.88	23.82	24.44	25.01	23.27	23.88	23.82	24.44	25.01
8H	4H	22.86	23.55	23.39	24.07	24.64	22.86	23.55	23.39	24.07	24.64
	6H	23.38	23.94	23.94	24.51	25.09	23.38	23.94	23.94	24.51	25.09
	8H	23.54	24.05	24.13	24.64	25.22	23.54	24.05	24.13	24.64	25.22
	12H	23.72	24.17	24.30	24.73	25.39	23.72	24.17	24.30	24.73	25.39
12H	4H	22.85	23.47	23.41	24.02	24.59	22.85	23.47	23.41	24.02	24.59
	6H	23.39	23.89	23.97	24.48	25.06	23.39	23.89	23.97	24.48	25.06
	8H	23.60	24.04	24.18	24.61	25.27	23.60	24.04	24.18	24.61	25.27