

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: P1221400

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L24_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221400
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-26)
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 (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

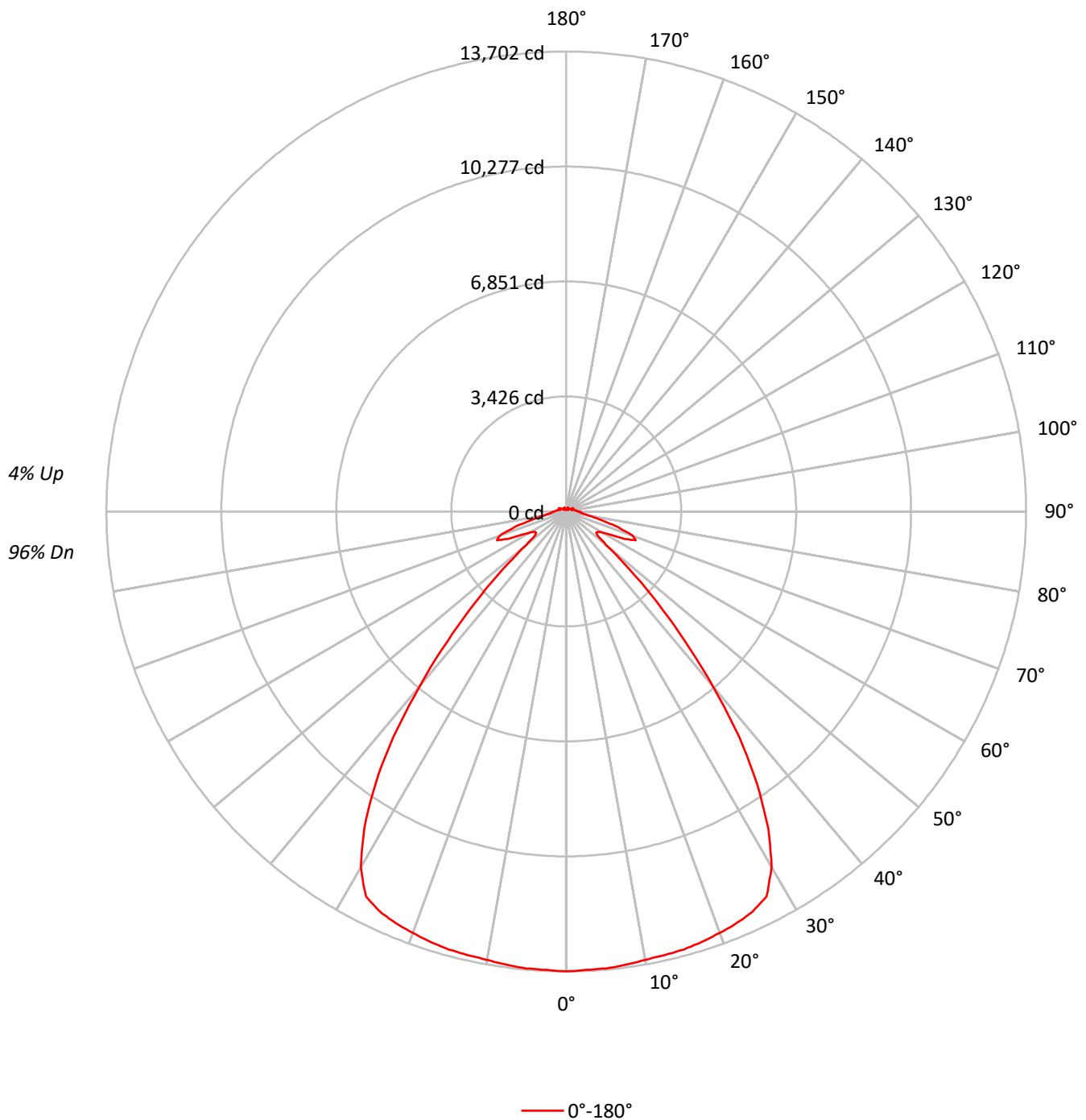
Lumens per Lamp: N/A
Luminaire Lumens: 26083.0 lumens
Efficiency: N/A
Efficacy: 168.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	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	109	105	101	98	106	102	99	96	98	95	92	93	91	89	89	87	86	86	86	86	86	83			
2	101	94	88	83	98	92	87	82	88	83	80	84	80	77	81	78	75	75	75	75	75	73			
3	94	85	78	73	91	83	77	72	80	74	70	77	72	68	74	70	67	67	67	67	67	64			
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	60	60	60	60	58			
5	82	71	63	57	79	69	62	57	67	61	56	65	59	55	62	58	54	54	54	54	54	52			
6	76	65	57	52	74	64	56	51	62	55	50	60	54	50	58	53	49	49	49	49	49	47			
7	72	60	52	47	70	59	52	46	57	51	46	55	50	45	54	49	45	45	45	45	45	43			
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	41	41	41	41	39			
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	35	35	35	35	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79013
5°	75240
10°	71987
15°	69717
20°	67610
25°	65741
30°	60910
35°	49547
40°	34211
45°	19686
50°	8126
55°	5988
60°	7183
65°	11703
70°	13596
75°	8771
80°	5126
85°	3865

MAXIMUM LUMINANCE 45°-90°:

Luminance: 19686 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1301.0	5.0
10°-20°	3821.0	14.6
20°-30°	6022.8	23.1
30°-40°	6071.8	23.3
40°-50°	3004.2	11.5
50°-60°	1072.2	4.1
60°-70°	1831.6	7.0
70°-80°	1380.9	5.3
80°-90°	514.1	2.0
90°-100°	323.8	1.2
100°-110°	207.9	0.8
110°-120°	208.6	0.8
120°-130°	101.0	0.4
130°-140°	69.2	0.3
140°-150°	74.6	0.3
150°-160°	52.3	0.2
160°-170°	21.7	0.1
170°-180°	4.6	0.0
0°-30°	11144.7	42.7
0°-40°	17216.5	66.0
0°-60°	21292.9	81.6
0°-90°	25019.4	95.9
90°-120°	740.2	2.8
90°-150°	985.0	3.8
90°-180°	1064.0	4.1
0°-180°	26083.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13702	
5°	13664	###
15°	13509	3821
25°	13151	6023
35°	9922	6072
45°	3826	3004
55°	1093	1072
65°	1934	1832
75°	1253	1381
85°	449	409
90°	356	198
95°	295	231
105°	175	208
115°	222	209
125°	107	101
135°	86	69
145°	121	75
155°	115	52
165°	74	22
175°	45	5
180°	44	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13702.5
2.5°	13672.9
5°	13663.8
7.5°	13625.1
10°	13562.5
12.5°	13536.1
15°	13508.9
17.5°	13447.9
20°	13363.9
22.5°	13278.2
25°	13151.3
27.5°	12928.9
30°	12237.6
32.5°	11203.6
35°	9921.6
37.5°	8455.8
40°	6775.9
42.5°	5238.4
45°	3826.3
47.5°	2583.0
50°	1537.4
52.5°	1172.4
55°	1093.3
57.5°	1127.1
60°	1254.0
62.5°	1500.3
65°	1933.7
67.5°	2240.2
70°	2102.6
72.5°	1697.3
75°	1253.2
77.5°	908.0
80°	666.5
82.5°	518.2
85°	449.0
87.5°	407.8
90°	355.9
92.5°	322.2
95°	295.0
97.5°	271.9
100°	238.9
102.5°	197.7
105°	174.7
107.5°	185.4
110°	216.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	234.8
115°	222.5
117.5°	192.8
120°	160.7
122.5°	131.0
125°	107.1
127.5°	89.0
130°	79.1
132.5°	78.3
135°	86.5
137.5°	99.7
140°	111.2
142.5°	118.6
145°	121.1
147.5°	120.3
150°	119.5
152.5°	117.8
155°	115.3
157.5°	107.9
160°	97.2
162.5°	85.7
165°	74.2
167.5°	62.6
170°	52.7
172.5°	47.8
175°	45.3
177.5°	44.5
180°	44.5

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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	13.79	15.06	14.23	15.46	15.88	13.79	15.06	14.23	15.46	15.88
	3H	20.16	21.30	20.61	21.72	22.18	20.16	21.30	20.61	21.72	22.18
	4H	21.08	22.15	21.55	22.58	23.07	21.08	22.15	21.55	22.58	23.07
	6H	21.44	22.43	21.92	22.88	23.37	21.44	22.43	21.92	22.88	23.37
	8H	21.53	22.47	22.02	22.94	23.44	21.53	22.47	22.02	22.94	23.44
	12H	21.60	22.50	22.10	22.96	23.49	21.60	22.50	22.10	22.96	23.49
4H	2H	15.99	17.06	16.46	17.50	17.98	15.99	17.06	16.46	17.50	17.98
	3H	21.29	22.19	21.77	22.67	23.17	21.29	22.19	21.77	22.67	23.17
	4H	22.18	23.00	22.69	23.50	24.03	22.18	23.00	22.69	23.50	24.03
	6H	22.59	23.30	23.12	23.82	24.38	22.59	23.30	23.12	23.82	24.38
	8H	22.70	23.36	23.23	23.88	24.45	22.70	23.36	23.23	23.88	24.45
	12H	22.80	23.39	23.35	23.94	24.51	22.80	23.39	23.35	23.94	24.51
8H	4H	22.43	23.10	22.96	23.62	24.18	22.43	23.10	22.96	23.62	24.18
	6H	22.90	23.45	23.47	24.01	24.59	22.90	23.45	23.47	24.01	24.59
	8H	23.05	23.54	23.64	24.12	24.71	23.05	23.54	23.64	24.12	24.71
	12H	23.22	23.65	23.80	24.21	24.87	23.22	23.65	23.80	24.21	24.87
12H	4H	22.42	23.01	22.97	23.57	24.13	22.42	23.01	22.97	23.57	24.13
	6H	22.90	23.39	23.49	23.97	24.56	22.90	23.39	23.49	23.97	24.56
	8H	23.10	23.53	23.68	24.09	24.75	23.10	23.53	23.68	24.09	24.75

END OF REPORT