

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: P1221418

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (5000K_L24_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221418
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 (5000K_L24_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

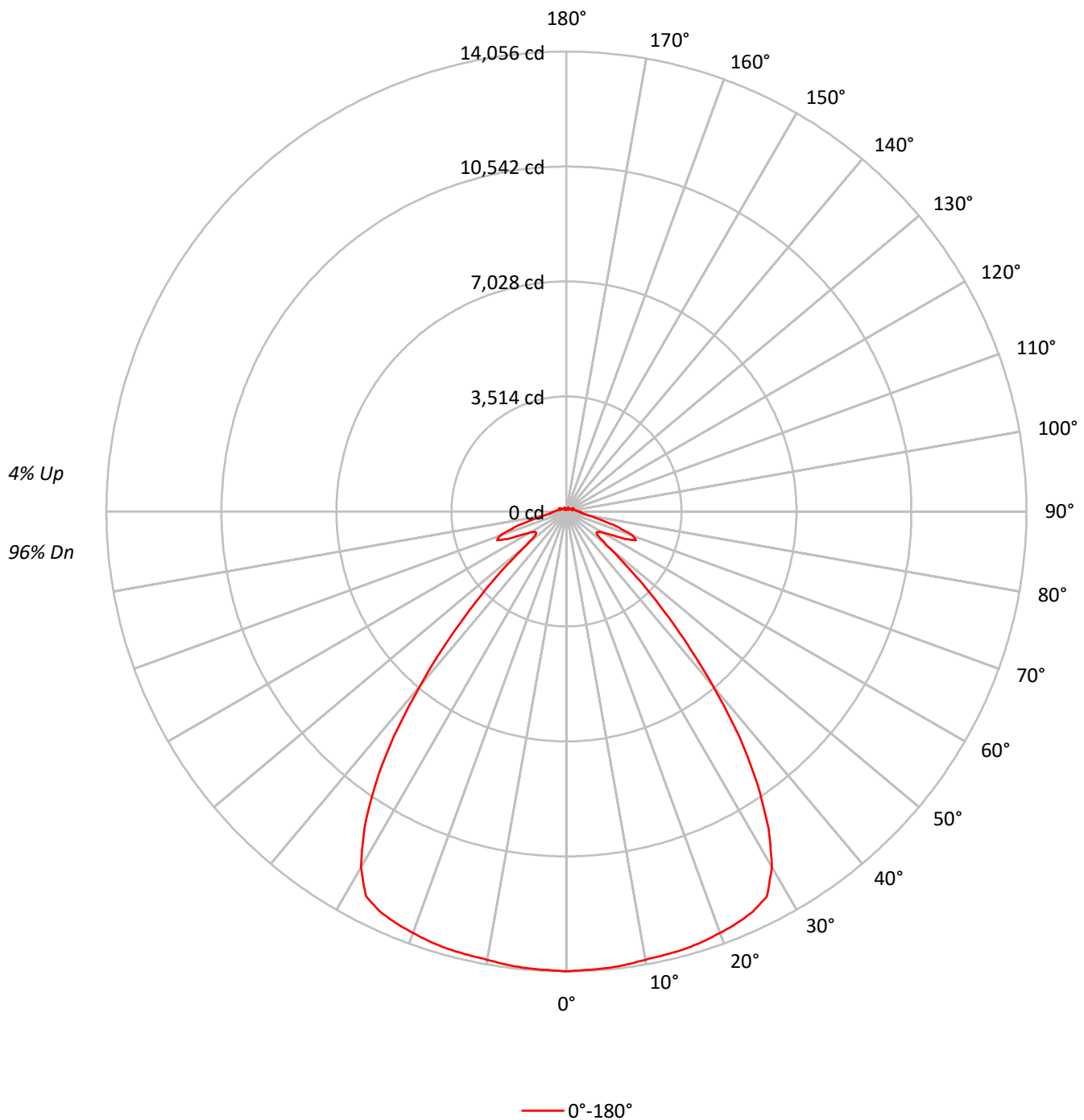
Lumens per Lamp: N/A
Luminaire Lumens: 26755.2 lumens
Efficiency: N/A
Efficacy: 173.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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°	81049
5°	77179
10°	73842
15°	71513
20°	69353
25°	67435
30°	62480
35°	50823
40°	35093
45°	20194
50°	8336
55°	6143
60°	7368
65°	12005
70°	13947
75°	8997
80°	5258
85°	3965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20194 cd/sgm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1334.5	5.0
10°-20°	3919.4	14.6
20°-30°	6178.0	23.1
30°-40°	6228.2	23.3
40°-50°	3081.6	11.5
50°-60°	1099.8	4.1
60°-70°	1878.8	7.0
70°-80°	1416.4	5.3
80°-90°	527.4	2.0
90°-100°	332.1	1.2
100°-110°	213.2	0.8
110°-120°	214.0	0.8
120°-130°	103.6	0.4
130°-140°	71.0	0.3
140°-150°	76.5	0.3
150°-160°	53.6	0.2
160°-170°	22.3	0.1
170°-180°	4.7	0.0
0°-30°	11431.9	42.7
0°-40°	17660.2	66.0
0°-60°	21841.6	81.6
0°-90°	25664.2	95.9
90°-120°	759.3	2.8
90°-150°	1010.4	3.8
90°-180°	1091.0	4.1
0°-180°	26755.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14056	
5°	14016	###
15°	13857	3919
25°	13490	6178
35°	10177	6228
45°	3925	3082
55°	1122	1100
65°	1984	1879
75°	1286	1416
85°	461	420
90°	365	203
95°	303	237
105°	179	213
115°	228	214
125°	110	104
135°	89	71
145°	124	76
155°	118	54
165°	76	22
175°	46	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14055.6
2.5°	14025.2
5°	14015.9
7.5°	13976.2
10°	13912.0
12.5°	13884.9
15°	13857.0
17.5°	13794.5
20°	13708.3
22.5°	13620.4
25°	13490.2
27.5°	13262.0
30°	12553.0
32.5°	11492.3
35°	10177.3
37.5°	8673.7
40°	6950.5
42.5°	5373.4
45°	3924.9
47.5°	2649.5
50°	1577.0
52.5°	1202.6
55°	1121.5
57.5°	1156.2
60°	1286.3
62.5°	1539.0
65°	1983.6
67.5°	2298.0
70°	2156.8
72.5°	1741.0
75°	1285.5
77.5°	931.4
80°	683.7
82.5°	531.6
85°	460.6
87.5°	418.3
90°	365.1
92.5°	330.5
95°	302.6
97.5°	278.9
100°	245.1
102.5°	202.8
105°	179.2
107.5°	190.2
110°	222.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	240.9
115°	228.2
117.5°	197.8
120°	164.8
122.5°	134.4
125°	109.9
127.5°	91.3
130°	81.1
132.5°	80.3
135°	88.7
137.5°	102.3
140°	114.1
142.5°	121.7
145°	124.2
147.5°	123.4
150°	122.5
152.5°	120.9
155°	118.3
157.5°	110.7
160°	99.7
162.5°	87.9
165°	76.1
167.5°	64.2
170°	54.1
172.5°	49.0
175°	46.5
177.5°	45.6
180°	45.6

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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	13.88	15.15	14.32	15.55	15.97	13.88	15.15	14.32	15.55	15.97
	3H	20.25	21.39	20.70	21.81	22.27	20.25	21.39	20.70	21.81	22.27
	4H	21.16	22.24	21.64	22.67	23.15	21.16	22.24	21.64	22.67	23.15
	6H	21.53	22.52	22.01	22.97	23.46	21.53	22.52	22.01	22.97	23.46
	8H	21.61	22.56	22.11	23.03	23.53	21.61	22.56	22.11	23.03	23.53
	12H	21.69	22.59	22.19	23.05	23.58	21.69	22.59	22.19	23.05	23.58
4H	2H	16.08	17.15	16.55	17.59	18.07	16.08	17.15	16.55	17.59	18.07
	3H	21.37	22.28	21.86	22.76	23.26	21.37	22.28	21.86	22.76	23.26
	4H	22.27	23.09	22.78	23.58	24.12	22.27	23.09	22.78	23.58	24.12
	6H	22.68	23.39	23.21	23.91	24.47	22.68	23.39	23.21	23.91	24.47
	8H	22.79	23.45	23.32	23.97	24.54	22.79	23.45	23.32	23.97	24.54
	12H	22.89	23.48	23.44	24.03	24.60	22.89	23.48	23.44	24.03	24.60
8H	4H	22.52	23.19	23.05	23.71	24.27	22.52	23.19	23.05	23.71	24.27
	6H	22.99	23.54	23.55	24.10	24.68	22.99	23.54	23.55	24.10	24.68
	8H	23.14	23.63	23.73	24.21	24.80	23.14	23.63	23.73	24.21	24.80
	12H	23.31	23.74	23.89	24.30	24.96	23.31	23.74	23.89	24.30	24.96
12H	4H	22.51	23.10	23.06	23.65	24.22	22.51	23.10	23.06	23.65	24.22
	6H	22.99	23.48	23.57	24.06	24.65	22.99	23.48	23.57	24.06	24.65
	8H	23.19	23.62	23.77	24.18	24.84	23.19	23.62	23.77	24.18	24.84