

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: P1221409

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (4000K_L24_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221409
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 (4000K_L24_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

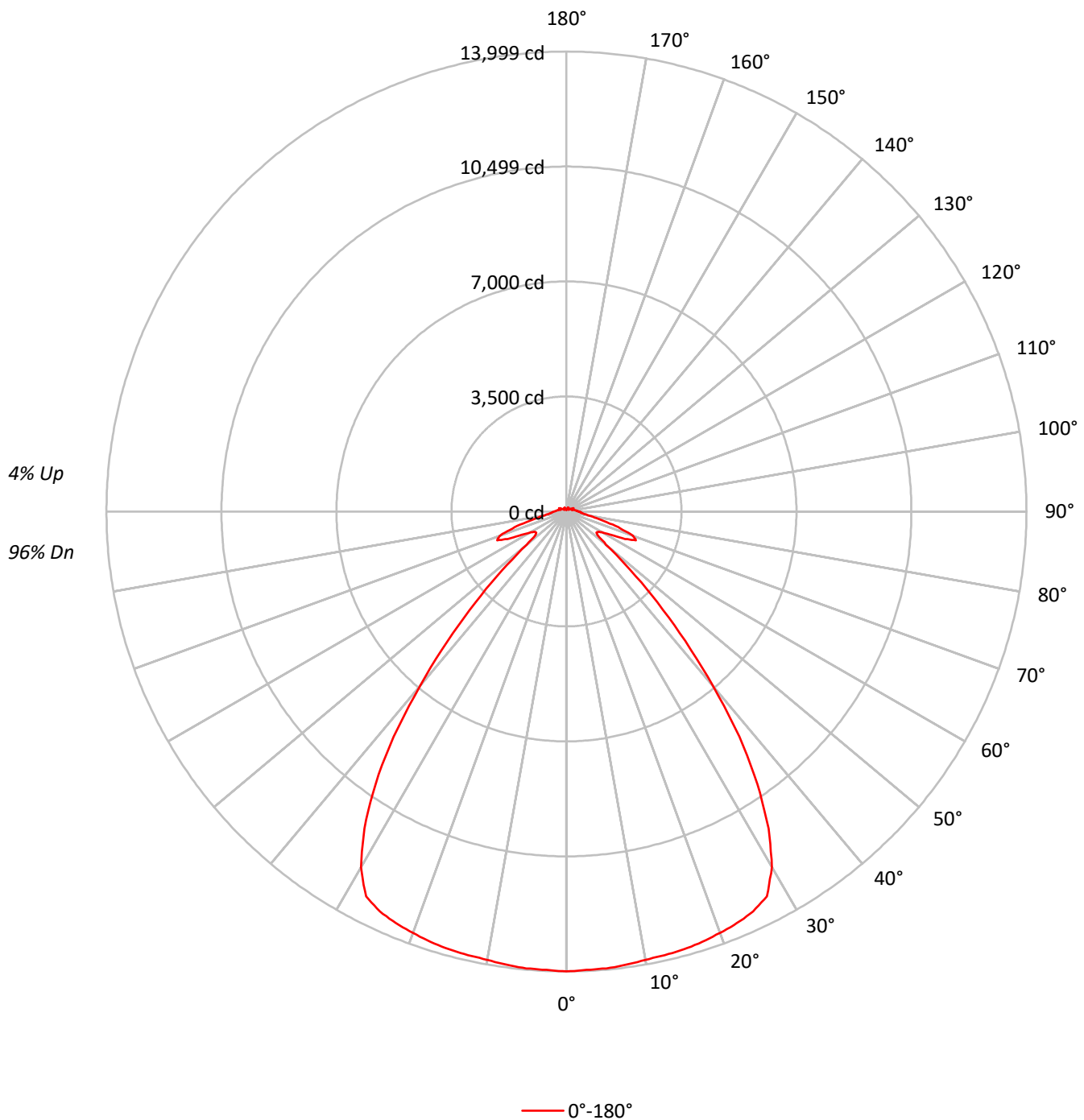
Lumens per Lamp: N/A
Luminaire Lumens: 26648.1 lumens
Efficiency: N/A
Efficacy: 172.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98
1	109	105	101	98	106	102	99	96	98	95	92	93	91	89	89	87	86
2	101	94	88	83	98	92	87	82	88	83	80	84	80	77	81	78	75
3	94	85	78	73	91	83	77	72	80	74	70	77	72	68	74	70	67
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60
5	82	71	63	57	79	69	62	57	67	61	56	65	59	55	62	58	54
6	76	65	57	52	74	64	56	51	62	55	50	60	54	50	58	53	49
7	72	60	52	47	70	59	52	46	57	51	46	55	50	45	54	49	45
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80725
5°	76870
10°	73546
15°	71227
20°	69075
25°	67165
30°	62230
35°	50620
40°	34953
45°	20113
50°	8302
55°	6118
60°	7339
65°	11956
70°	13891
75°	8961
80°	5237
85°	3949

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 20113 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1329.2	5.0
10°-20°	3903.7	14.6
20°-30°	6153.3	23.1
30°-40°	6203.3	23.3
40°-50°	3069.3	11.5
50°-60°	1095.4	4.1
60°-70°	1871.3	7.0
70°-80°	1410.7	5.3
80°-90°	525.3	2.0
90°-100°	330.8	1.2
100°-110°	212.4	0.8
110°-120°	213.1	0.8
120°-130°	103.1	0.4
130°-140°	70.8	0.3
140°-150°	76.2	0.3
150°-160°	53.4	0.2
160°-170°	22.2	0.1
170°-180°	4.7	0.0
0°-30°	11386.2	42.7
0°-40°	17589.5	66.0
0°-60°	21754.2	81.6
0°-90°	25561.5	95.9
90°-120°	756.2	2.8
90°-150°	1006.3	3.8
90°-180°	1087.0	4.1
0°-180°	26648.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13999	
5°	13960	###
15°	13802	3904
25°	13436	6153
35°	10136	6203
45°	3909	3069
55°	1117	1095
65°	1976	1871
75°	1280	1411
85°	459	418
90°	364	202
95°	301	236
105°	178	212
115°	227	213
125°	109	103
135°	88	71
145°	124	76
155°	118	53
165°	76	22
175°	46	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13999.4
2.5°	13969.1
5°	13959.8
7.5°	13920.3
10°	13856.3
12.5°	13829.4
15°	13801.6
17.5°	13739.3
20°	13653.4
22.5°	13565.9
25°	13436.3
27.5°	13209.0
30°	12502.7
32.5°	11446.3
35°	10136.5
37.5°	8639.0
40°	6922.7
42.5°	5351.9
45°	3909.2
47.5°	2638.9
50°	1570.7
52.5°	1197.8
55°	1117.0
57.5°	1151.5
60°	1281.2
62.5°	1532.9
65°	1975.6
67.5°	2288.8
70°	2148.2
72.5°	1734.0
75°	1280.3
77.5°	927.6
80°	681.0
82.5°	529.5
85°	458.8
87.5°	416.7
90°	363.6
92.5°	329.1
95°	301.4
97.5°	277.8
100°	244.1
102.5°	202.0
105°	178.5
107.5°	189.4
110°	221.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	239.9
115°	227.3
117.5°	197.0
120°	164.1
122.5°	133.8
125°	109.4
127.5°	90.9
130°	80.8
132.5°	80.0
135°	88.4
137.5°	101.9
140°	113.6
142.5°	121.2
145°	123.7
147.5°	122.9
150°	122.1
152.5°	120.4
155°	117.8
157.5°	110.3
160°	99.3
162.5°	87.5
165°	75.8
167.5°	64.0
170°	53.9
172.5°	48.8
175°	46.3
177.5°	45.5
180°	45.5

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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	13.87	15.13	14.30	15.53	15.95	13.87	15.13	14.30	15.53	15.95
	3H	20.24	21.38	20.69	21.79	22.26	20.24	21.38	20.69	21.79	22.26
	4H	21.15	22.22	21.62	22.66	23.14	21.15	22.22	21.62	22.66	23.14
	6H	21.51	22.50	22.00	22.95	23.45	21.51	22.50	22.00	22.95	23.45
	8H	21.60	22.54	22.10	23.01	23.52	21.60	22.54	22.10	23.01	23.52
	12H	21.67	22.58	22.17	23.04	23.57	21.67	22.58	22.17	23.04	23.57
4H	2H	16.06	17.14	16.54	17.57	18.05	16.06	17.14	16.54	17.57	18.05
	3H	21.36	22.26	21.84	22.75	23.25	21.36	22.26	21.84	22.75	23.25
	4H	22.26	23.08	22.76	23.57	24.11	22.26	23.08	22.76	23.57	24.11
	6H	22.67	23.38	23.19	23.90	24.46	22.67	23.38	23.19	23.90	24.46
	8H	22.77	23.44	23.31	23.96	24.52	22.77	23.44	23.31	23.96	24.52
	12H	22.87	23.46	23.42	24.02	24.58	22.87	23.46	23.42	24.02	24.58
8H	4H	22.51	23.17	23.04	23.69	24.26	22.51	23.17	23.04	23.69	24.26
	6H	22.97	23.52	23.54	24.09	24.66	22.97	23.52	23.54	24.09	24.66
	8H	23.13	23.62	23.71	24.20	24.78	23.13	23.62	23.71	24.20	24.78
	12H	23.29	23.72	23.87	24.29	24.95	23.29	23.72	23.87	24.29	24.95
12H	4H	22.50	23.09	23.05	23.64	24.21	22.50	23.09	23.05	23.64	24.21
	6H	22.98	23.47	23.56	24.05	24.63	22.98	23.47	23.56	24.05	24.63
	8H	23.17	23.60	23.75	24.17	24.83	23.17	23.60	23.75	24.17	24.83

END OF REPORT