

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: P1221391

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L24_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221391
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 (3000K_L24_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

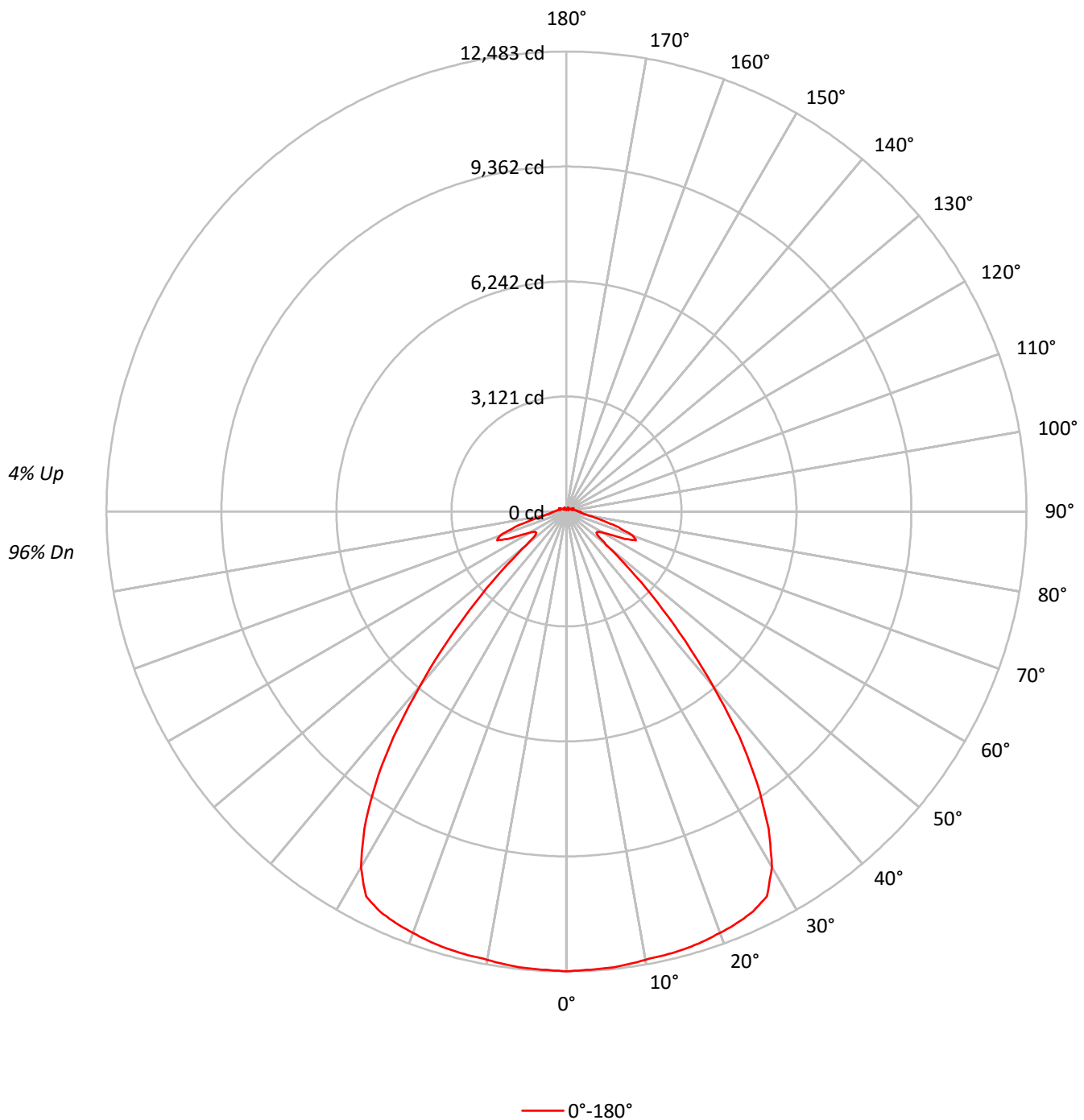
Lumens per Lamp: N/A
Luminaire Lumens: 23761.8 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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°	71982
5°	68544
10°	65580
15°	63512
20°	61593
25°	59890
30°	55489
35°	45137
40°	31167
45°	17934
50°	7403
55°	5455
60°	6544
65°	10661
70°	12386
75°	7990
80°	4670
85°	3521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17934 cd/sgm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1185.2	5.0
10°-20°	3480.9	14.6
20°-30°	5486.8	23.1
30°-40°	5531.4	23.3
40°-50°	2736.8	11.5
50°-60°	976.8	4.1
60°-70°	1668.6	7.0
70°-80°	1257.9	5.3
80°-90°	468.4	2.0
90°-100°	295.0	1.2
100°-110°	189.3	0.8
110°-120°	190.0	0.8
120°-130°	92.0	0.4
130°-140°	63.1	0.3
140°-150°	67.9	0.3
150°-160°	47.6	0.2
160°-170°	19.8	0.1
170°-180°	4.1	0.0
0°-30°	10152.9	42.7
0°-40°	15684.3	66.0
0°-60°	19397.9	81.6
0°-90°	22792.9	95.9
90°-120°	674.3	2.8
90°-150°	897.3	3.8
90°-180°	969.0	4.1
0°-180°	23761.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12483	
5°	12448	###
15°	12307	3481
25°	11981	5487
35°	9039	5531
45°	3486	2737
55°	996	977
65°	1762	1669
75°	1142	1258
85°	409	373
90°	324	180
95°	269	210
105°	159	189
115°	203	190
125°	98	92
135°	79	63
145°	110	68
155°	105	48
165°	68	20
175°	41	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12483.1
2.5°	12456.1
5°	12447.8
7.5°	12412.5
10°	12355.5
12.5°	12331.5
15°	12306.7
17.5°	12251.2
20°	12174.6
22.5°	12096.5
25°	11980.9
27.5°	11778.3
30°	11148.5
32.5°	10206.5
35°	9038.6
37.5°	7703.3
40°	6172.9
42.5°	4772.3
45°	3485.7
47.5°	2353.1
50°	1400.6
52.5°	1068.1
55°	996.0
57.5°	1026.8
60°	1142.4
62.5°	1366.8
65°	1761.6
67.5°	2040.9
70°	1915.5
72.5°	1546.2
75°	1141.6
77.5°	827.2
80°	607.2
82.5°	472.1
85°	409.1
87.5°	371.5
90°	324.3
92.5°	293.5
95°	268.7
97.5°	247.7
100°	217.7
102.5°	180.1
105°	159.1
107.5°	168.9
110°	197.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	213.9
115°	202.7
117.5°	175.6
120°	146.4
122.5°	119.3
125°	97.6
127.5°	81.1
130°	72.1
132.5°	71.3
135°	78.8
137.5°	90.8
140°	101.3
142.5°	108.1
145°	110.3
147.5°	109.6
150°	108.8
152.5°	107.3
155°	105.1
157.5°	98.3
160°	88.6
162.5°	78.1
165°	67.6
167.5°	57.0
170°	48.0
172.5°	43.5
175°	41.3
177.5°	40.5
180°	40.5

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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	14.74	13.90	15.14	15.56	13.47	14.74	13.90	15.14	15.56
	3H	19.84	20.98	20.29	21.40	21.86	19.84	20.98	20.29	21.40	21.86
	4H	20.75	21.83	21.22	22.26	22.74	20.75	21.83	21.22	22.26	22.74
	6H	21.11	22.11	21.60	22.56	23.05	21.11	22.11	21.60	22.56	23.05
	8H	21.20	22.14	21.70	22.62	23.12	21.20	22.14	21.70	22.62	23.12
	12H	21.27	22.18	21.78	22.64	23.17	21.27	22.18	21.78	22.64	23.17
4H	2H	15.67	16.74	16.14	17.17	17.65	15.67	16.74	16.14	17.17	17.65
	3H	20.96	21.86	21.45	22.35	22.85	20.96	21.86	21.45	22.35	22.85
	4H	21.86	22.68	22.36	23.17	23.71	21.86	22.68	22.36	23.17	23.71
	6H	22.27	22.98	22.80	23.50	24.06	22.27	22.98	22.80	23.50	24.06
	8H	22.37	23.04	22.91	23.56	24.12	22.37	23.04	22.91	23.56	24.12
	12H	22.47	23.07	23.02	23.62	24.19	22.47	23.07	23.02	23.62	24.19
8H	4H	22.11	22.77	22.64	23.29	23.86	22.11	22.77	22.64	23.29	23.86
	6H	22.58	23.12	23.14	23.69	24.26	22.58	23.12	23.14	23.69	24.26
	8H	22.73	23.22	23.31	23.80	24.39	22.73	23.22	23.31	23.80	24.39
	12H	22.90	23.32	23.48	23.89	24.55	22.90	23.32	23.48	23.89	24.55
12H	4H	22.10	22.69	22.65	23.24	23.81	22.10	22.69	22.65	23.24	23.81
	6H	22.58	23.07	23.16	23.65	24.24	22.58	23.07	23.16	23.65	24.24
	8H	22.78	23.20	23.36	23.77	24.43	22.78	23.20	23.36	23.77	24.43

END OF REPORT