

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: P1221417

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (4000K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221417
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 (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

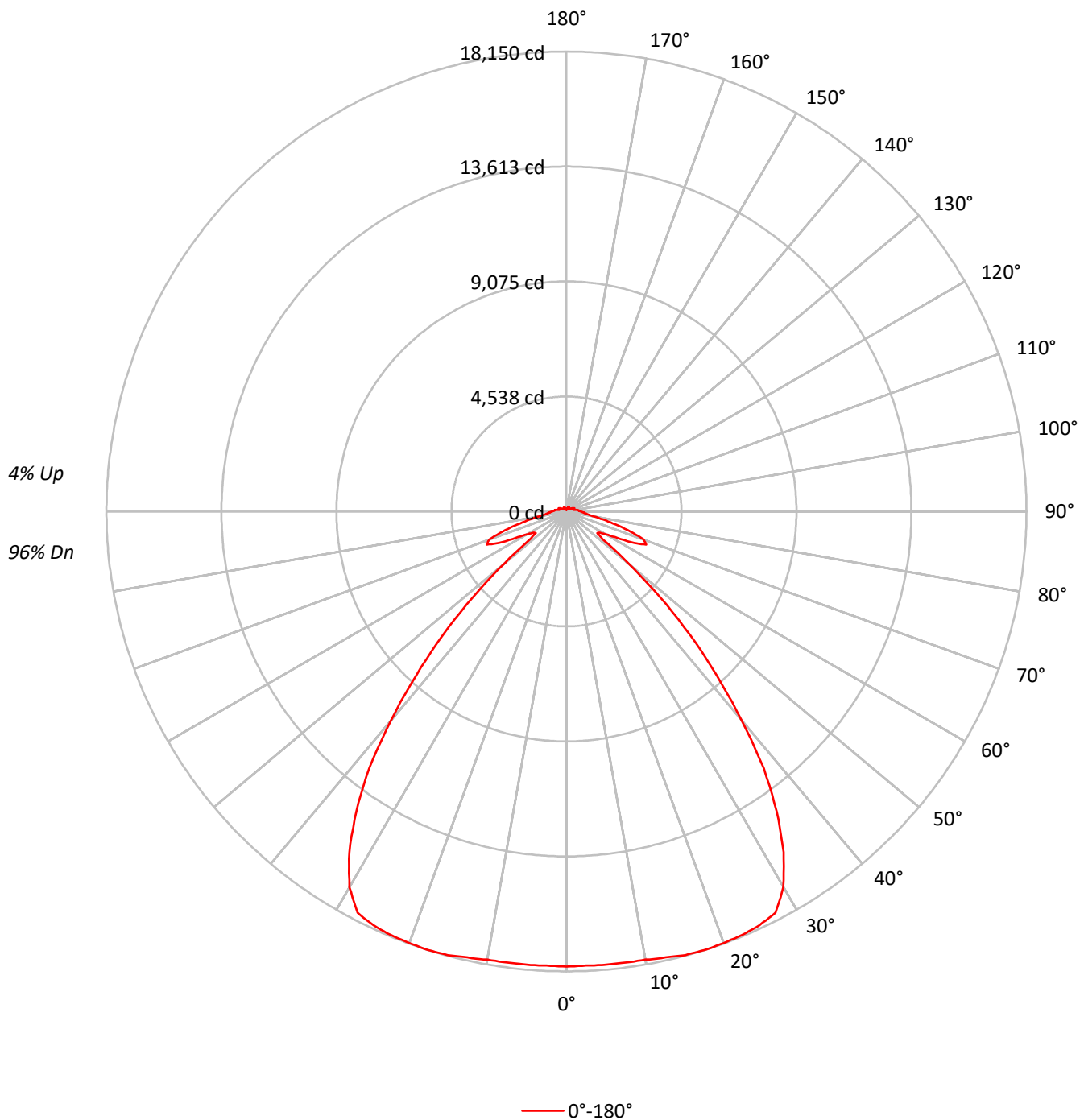
Lumens per Lamp: N/A
Luminaire Lumens: 38310.4 lumens
Efficiency: N/A
Efficacy: 166.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.21
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 230.2
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	97	106	102	99	95	97	94	92	93	90	88	88	87	85
2	101	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74
3	93	84	77	71	91	82	76	70	79	73	69	76	71	67	73	69	65
4	87	76	68	63	84	75	67	62	72	66	61	69	64	59	66	62	58
5	81	69	61	56	78	68	61	55	66	59	54	63	58	53	61	56	52
6	75	63	56	50	73	62	55	50	60	54	49	58	52	48	56	51	47
7	70	58	51	45	69	57	50	45	56	49	44	54	48	44	52	47	43
8	66	54	46	41	64	53	46	41	51	45	40	50	44	40	49	43	39
9	62	50	43	37	61	49	42	37	48	41	37	46	41	37	45	40	36
10	58	46	39	34	57	46	39	34	45	38	34	43	38	34	42	37	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103575
5°	98889
10°	95339
15°	93525
20°	91702
25°	90062
30°	85219
35°	72226
40°	54340
45°	35437
50°	16790
55°	8085
60°	10270
65°	17853
70°	20916
75°	14024
80°	8262
85°	6123

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 35437 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1714.0	4.5
10°-20°	5129.9	13.4
20°-30°	8274.2	21.6
30°-40°	8896.8	23.2
40°-50°	5270.5	13.8
50°-60°	1631.8	4.3
60°-70°	2770.2	7.2
70°-80°	2180.4	5.7
80°-90°	818.6	2.1
90°-100°	516.2	1.3
100°-110°	320.9	0.8
110°-120°	304.0	0.8
120°-130°	147.2	0.4
130°-140°	102.1	0.3
140°-150°	113.7	0.3
150°-160°	79.1	0.2
160°-170°	33.7	0.1
170°-180°	7.0	0.0
0°-30°	15118.1	39.5
0°-40°	24014.9	62.7
0°-60°	30917.2	80.7
0°-90°	36686.4	95.8
90°-120°	1141.1	3.0
90°-150°	1504.1	3.9
90°-180°	1624.0	4.2
0°-180°	38310.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17962	
5°	17959	###
15°	18122	5130
25°	18017	8274
35°	14463	8897
45°	6888	5271
55°	1476	1632
65°	2950	2770
75°	2004	2180
85°	711	653
90°	564	313
95°	472	368
105°	272	321
115°	324	304
125°	155	147
135°	127	102
145°	185	114
155°	173	79
165°	115	34
175°	70	7
180°	69	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17962.1
2.5°	17939.6
5°	17958.6
7.5°	17956.2
10°	17962.1
12.5°	18033.3
15°	18122.2
17.5°	18149.5
20°	18125.8
22.5°	18097.3
25°	18016.7
27.5°	17859.0
30°	17121.5
32.5°	15946.4
35°	14463.1
37.5°	12791.3
40°	10762.6
42.5°	8773.0
45°	6887.7
47.5°	5004.8
50°	3176.5
52.5°	1792.8
55°	1476.2
57.5°	1561.6
60°	1792.8
62.5°	2245.7
65°	2950.0
67.5°	3407.7
70°	3234.6
72.5°	2657.1
75°	2003.8
77.5°	1462.0
80°	1074.2
82.5°	828.8
85°	711.4
87.5°	643.8
90°	564.4
92.5°	514.6
95°	471.9
97.5°	432.8
100°	380.6
102.5°	315.4
105°	271.5
107.5°	276.3
110°	317.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	341.5
115°	323.7
117.5°	281.0
120°	234.8
122.5°	190.9
125°	155.3
127.5°	130.4
130°	115.0
132.5°	113.8
135°	126.9
137.5°	148.2
140°	168.4
142.5°	181.4
145°	185.0
147.5°	183.8
150°	180.2
152.5°	177.9
155°	173.1
157.5°	164.8
160°	149.4
162.5°	134.0
165°	115.0
167.5°	97.2
170°	81.8
172.5°	73.5
175°	70.0
177.5°	68.8
180°	68.8

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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	14.69	15.99	15.12	16.39	16.82	14.69	15.99	15.12	16.39	16.82
	3H	21.63	22.80	22.08	23.22	23.69	21.63	22.80	22.08	23.22	23.69
	4H	22.64	23.74	23.11	24.18	24.67	22.64	23.74	23.11	24.18	24.67
	6H	23.05	24.07	23.53	24.52	25.02	23.05	24.07	23.53	24.52	25.02
	8H	23.15	24.12	23.65	24.60	25.10	23.15	24.12	23.65	24.60	25.10
	12H	23.23	24.16	23.74	24.63	25.16	23.23	24.16	23.74	24.63	25.16
4H	2H	17.23	18.33	17.70	18.77	19.26	17.23	18.33	17.70	18.77	19.26
	3H	22.81	23.74	23.30	24.23	24.73	22.81	23.74	23.30	24.23	24.73
	4H	23.80	24.64	24.30	25.14	25.68	23.80	24.64	24.30	25.14	25.68
	6H	24.25	24.99	24.78	25.51	26.07	24.25	24.99	24.78	25.51	26.07
	8H	24.37	25.06	24.91	25.58	26.15	24.37	25.06	24.91	25.58	26.15
	12H	24.48	25.09	25.03	25.65	26.22	24.48	25.09	25.03	25.65	26.22
8H	4H	24.07	24.76	24.61	25.28	25.85	24.07	24.76	24.61	25.28	25.85
	6H	24.59	25.16	25.16	25.73	26.30	24.59	25.16	25.16	25.73	26.30
	8H	24.76	25.27	25.34	25.85	26.44	24.76	25.27	25.34	25.85	26.44
	12H	24.93	25.38	25.51	25.95	26.61	24.93	25.38	25.51	25.95	26.61
12H	4H	24.07	24.68	24.62	25.23	25.81	24.07	24.68	24.62	25.23	25.81
	6H	24.60	25.11	25.18	25.69	26.28	24.60	25.11	25.18	25.69	26.28
	8H	24.81	25.26	25.39	25.82	26.48	24.81	25.26	25.39	25.82	26.48