

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: P1221514

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221514
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

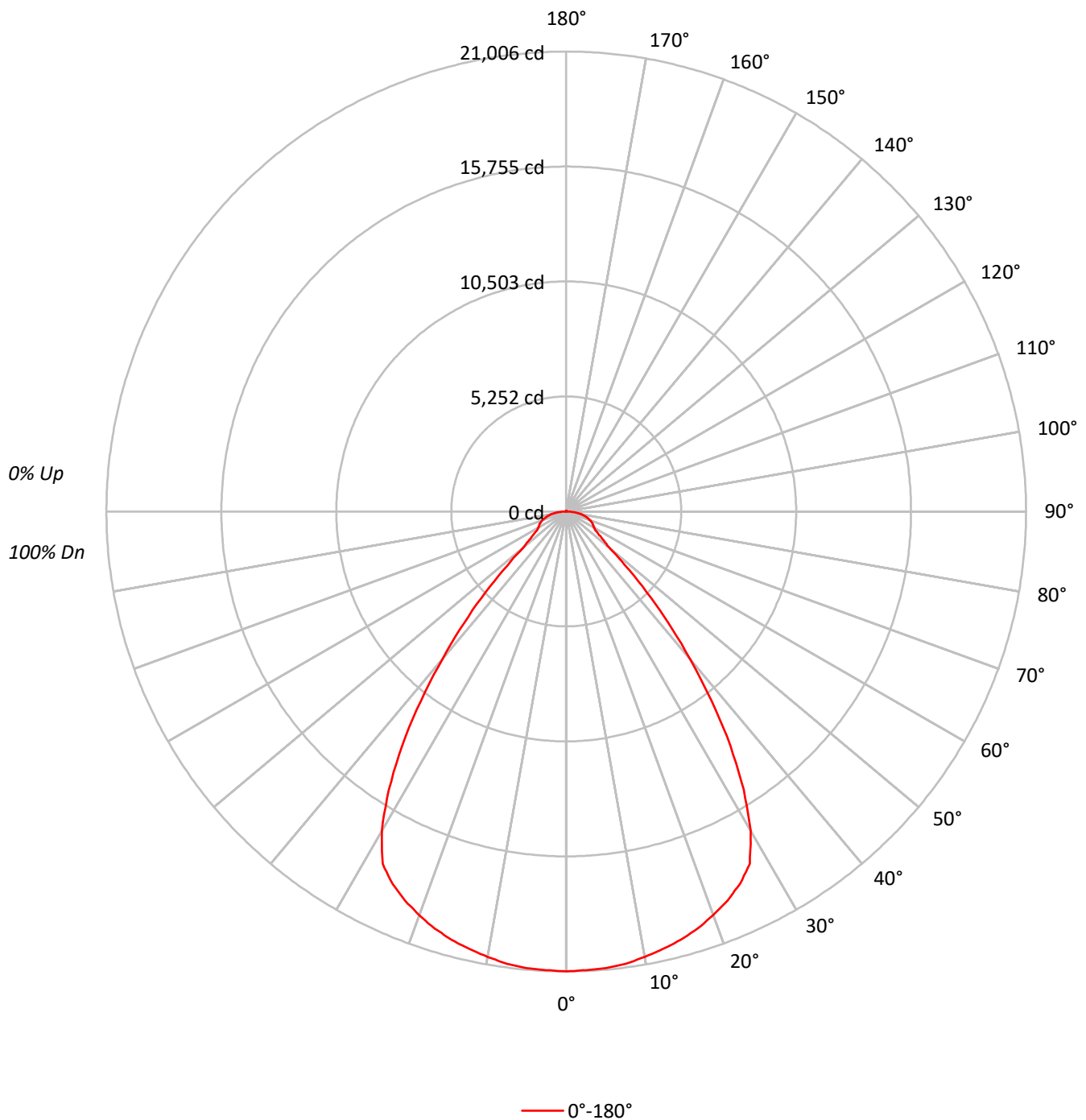
Lumens per Lamp: N/A
Luminaire Lumens: 32782.8 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	102	109	106	103	100	101	99	97	97	96	94	94	92	91	89		
2	104	98	93	88	102	96	91	87	92	89	85	89	86	83	86	84	81	79		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	63	59	55	53		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121126
5°	115262
10°	109623
15°	104492
20°	99279
25°	93816
30°	83849
35°	65293
40°	44304
45°	26717
50°	13340
55°	9820
60°	8388
65°	8047
70°	7429
75°	6466
80°	4962
85°	2726

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26717 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1989.4	6.1
10°-20°	5713.2	17.4
20°-30°	8573.3	26.2
30°-40°	8048.2	24.5
40°-50°	4069.9	12.4
50°-60°	1667.9	5.1
60°-70°	1308.1	4.0
70°-80°	965.1	2.9
80°-90°	346.9	1.1
90°-100°	9.7	0.0
100°-110°	10.2	0.0
110°-120°	10.8	0.0
120°-130°	11.2	0.0
130°-140°	13.6	0.0
140°-150°	17.9	0.1
150°-160°	15.9	0.0
160°-170°	8.6	0.0
170°-180°	3.0	0.0
0°-30°	16275.9	49.6
0°-40°	24324.1	74.2
0°-60°	30061.9	91.7
0°-90°	32682.0	99.7
90°-120°	30.7	0.1
90°-150°	73.4	0.2
90°-180°	101.0	0.3
0°-180°	32782.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21006	
5°	20932	###
15°	20247	5713
25°	18768	8573
35°	13075	8048
45°	5193	4070
55°	1793	1668
65°	1330	1308
75°	924	965
85°	317	326
90°	10	23
95°	8	7
105°	10	10
115°	11	11
125°	12	11
135°	18	14
145°	29	18
155°	34	16
165°	30	9
175°	31	3
180°	34	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21005.7
2.5°	20968.8
5°	20931.9
7.5°	20834.2
10°	20653.3
12.5°	20466.4
15°	20247.3
17.5°	19972.4
20°	19623.5
22.5°	19234.3
25°	18767.6
27.5°	18148.6
30°	16846.2
32.5°	15089.1
35°	13074.8
37.5°	10909.4
40°	8774.9
42.5°	6888.0
45°	5192.8
47.5°	3638.0
50°	2523.8
52.5°	2116.6
55°	1792.8
57.5°	1573.8
60°	1464.3
62.5°	1396.4
65°	1329.7
67.5°	1246.4
70°	1148.8
72.5°	1042.8
75°	923.8
77.5°	792.8
80°	645.2
82.5°	488.1
85°	316.7
87.5°	142.9
90°	9.5
92.5°	8.3
95°	8.3
97.5°	9.5
100°	9.5
102.5°	9.5
105°	9.5
107.5°	9.5
110°	10.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.7
115°	10.7
117.5°	10.7
120°	11.9
122.5°	11.9
125°	11.9
127.5°	13.1
130°	14.3
132.5°	15.5
135°	17.9
137.5°	19.0
140°	22.6
142.5°	25.0
145°	28.6
147.5°	32.1
150°	35.7
152.5°	35.7
155°	34.5
157.5°	33.3
160°	31.0
162.5°	29.8
165°	29.8
167.5°	31.0
170°	31.0
172.5°	31.0
175°	31.0
177.5°	32.1
180°	34.5

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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	15.49	16.74	15.87	17.06	17.38	15.49	16.74	15.87	17.06	17.38
	3H	17.55	18.66	17.93	18.99	19.37	17.55	18.66	17.93	18.99	19.37
	4H	18.35	19.38	18.76	19.74	20.13	18.35	19.38	18.76	19.74	20.13
	6H	18.93	19.88	19.35	20.26	20.66	18.93	19.88	19.35	20.26	20.66
	8H	19.09	19.99	19.53	20.39	20.81	19.09	19.99	19.53	20.39	20.81
	12H	19.18	20.04	19.61	20.43	20.86	19.18	20.04	19.61	20.43	20.86
4H	2H	16.07	17.10	16.48	17.46	17.85	16.07	17.10	16.48	17.46	17.85
	3H	18.31	19.17	18.73	19.58	19.99	18.31	19.17	18.73	19.58	19.99
	4H	19.23	19.99	19.67	20.42	20.87	19.23	19.99	19.67	20.42	20.87
	6H	19.92	20.58	20.39	21.03	21.51	19.92	20.58	20.39	21.03	21.51
	8H	20.12	20.74	20.60	21.19	21.67	20.12	20.74	20.60	21.19	21.67
	12H	20.24	20.78	20.73	21.27	21.75	20.24	20.78	20.73	21.27	21.75
8H	4H	19.49	20.11	19.96	20.56	21.04	19.49	20.11	19.96	20.56	21.04
	6H	20.29	20.79	20.80	21.30	21.79	20.29	20.79	20.80	21.30	21.79
	8H	20.55	21.01	21.08	21.53	22.03	20.55	21.01	21.08	21.53	22.03
	12H	20.73	21.13	21.25	21.63	22.21	20.73	21.13	21.25	21.63	22.21
12H	4H	19.50	20.04	19.99	20.53	21.02	19.50	20.04	19.99	20.53	21.02
	6H	20.32	20.77	20.85	21.29	21.79	20.32	20.77	20.85	21.29	21.79
	8H	20.63	21.03	21.15	21.53	22.11	20.63	21.03	21.15	21.53	22.11

END OF REPORT