

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: P1221505

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (4000K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221505
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 (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

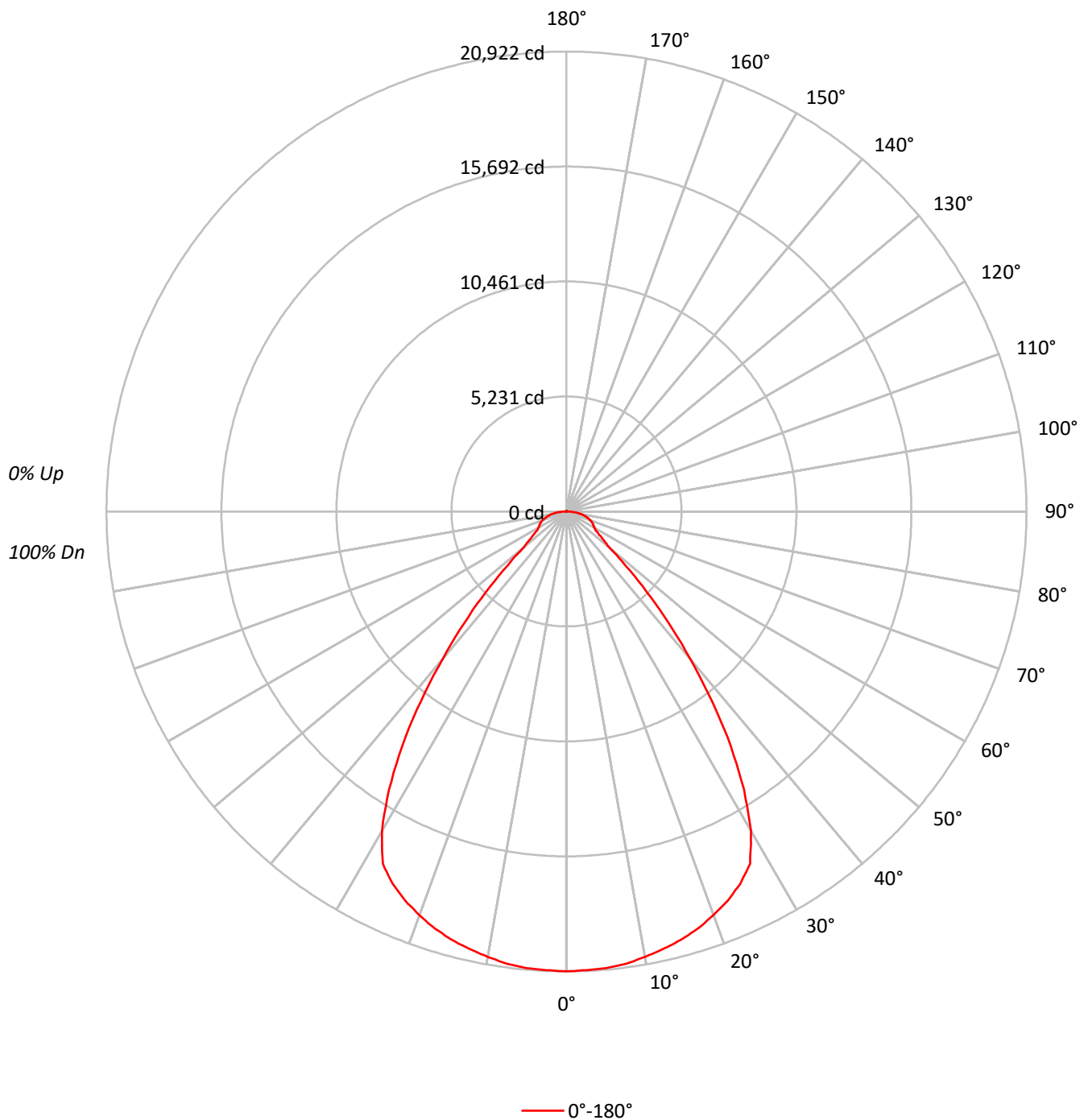
Lumens per Lamp: N/A
Luminaire Lumens: 32651.8 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120641
5°	114801
10°	109185
15°	104074
20°	98882
25°	93440
30°	83513
35°	65032
40°	44127
45°	26610
50°	13287
55°	9781
60°	8354
65°	8015
70°	7399
75°	6440
80°	4942
85°	2715

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 26610 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1981.5	6.1
10°-20°	5690.3	17.4
20°-30°	8539.0	26.2
30°-40°	8016.0	24.5
40°-50°	4053.7	12.4
50°-60°	1661.2	5.1
60°-70°	1302.8	4.0
70°-80°	961.3	2.9
80°-90°	345.5	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°	17.8	0.1
150°-160°	15.8	0.0
160°-170°	8.5	0.0
170°-180°	3.0	0.0
0°-30°	16210.8	49.6
0°-40°	24226.7	74.2
0°-60°	29941.6	91.7
0°-90°	32551.2	99.7
90°-120°	30.7	0.1
90°-150°	73.2	0.2
90°-180°	101.0	0.3
0°-180°	32651.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20922	
5°	20848	###
15°	20166	5690
25°	18692	8539
35°	13022	8016
45°	5172	4054
55°	1786	1661
65°	1324	1303
75°	920	961
85°	315	325
90°	10	23
95°	8	7
105°	10	10
115°	11	11
125°	12	11
135°	18	14
145°	28	18
155°	34	16
165°	30	9
175°	31	3
180°	34	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20921.6
2.5°	20884.9
5°	20848.1
7.5°	20750.9
10°	20570.7
12.5°	20384.5
15°	20166.3
17.5°	19892.4
20°	19545.0
22.5°	19157.3
25°	18692.5
27.5°	18076.0
30°	16778.8
32.5°	15028.7
35°	13022.5
37.5°	10865.7
40°	8739.8
42.5°	6860.4
45°	5172.0
47.5°	3623.5
50°	2513.7
52.5°	2108.2
55°	1785.7
57.5°	1567.5
60°	1458.4
62.5°	1390.8
65°	1324.4
67.5°	1241.4
70°	1144.2
72.5°	1038.7
75°	920.1
77.5°	789.7
80°	642.6
82.5°	486.1
85°	315.4
87.5°	142.3
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°	13.0
130°	14.2
132.5°	15.4
135°	17.8
137.5°	19.0
140°	22.5
142.5°	24.9
145°	28.5
147.5°	32.0
150°	35.6
152.5°	35.6
155°	34.4
157.5°	33.2
160°	30.8
162.5°	29.6
165°	29.6
167.5°	30.8
170°	30.8
172.5°	30.8
175°	30.8
177.5°	32.0
180°	34.4

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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	15.48	16.73	15.85	17.04	17.37	15.48	16.73	15.85	17.04	17.37
	3H	17.53	18.64	17.92	18.98	19.35	17.53	18.64	17.92	18.98	19.35
	4H	18.34	19.37	18.74	19.73	20.12	18.34	19.37	18.74	19.73	20.12
	6H	18.91	19.86	19.33	20.24	20.64	18.91	19.86	19.33	20.24	20.64
	8H	19.08	19.98	19.52	20.38	20.79	19.08	19.98	19.52	20.38	20.79
	12H	19.16	20.02	19.60	20.41	20.85	19.16	20.02	19.60	20.41	20.85
4H	2H	16.06	17.09	16.47	17.45	17.84	16.06	17.09	16.47	17.45	17.84
	3H	18.30	19.15	18.72	19.56	19.97	18.30	19.15	18.72	19.56	19.97
	4H	19.21	19.98	19.65	20.41	20.86	19.21	19.98	19.65	20.41	20.86
	6H	19.90	20.57	20.37	21.02	21.50	19.90	20.57	20.37	21.02	21.50
	8H	20.11	20.73	20.58	21.18	21.66	20.11	20.73	20.58	21.18	21.66
	12H	20.22	20.77	20.71	21.26	21.74	20.22	20.77	20.71	21.26	21.74
8H	4H	19.47	20.09	19.95	20.55	21.03	19.47	20.09	19.95	20.55	21.03
	6H	20.27	20.78	20.78	21.28	21.77	20.27	20.78	20.78	21.28	21.77
	8H	20.54	20.99	21.07	21.52	22.02	20.54	20.99	21.07	21.52	22.02
	12H	20.72	21.12	21.24	21.62	22.20	20.72	21.12	21.24	21.62	22.20
12H	4H	19.48	20.03	19.98	20.52	21.00	19.48	20.03	19.98	20.52	21.00
	6H	20.30	20.76	20.83	21.28	21.78	20.30	20.76	20.83	21.28	21.78
	8H	20.62	21.02	21.14	21.52	22.10	20.62	21.02	21.14	21.52	22.10