

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: P1221397

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221397
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_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

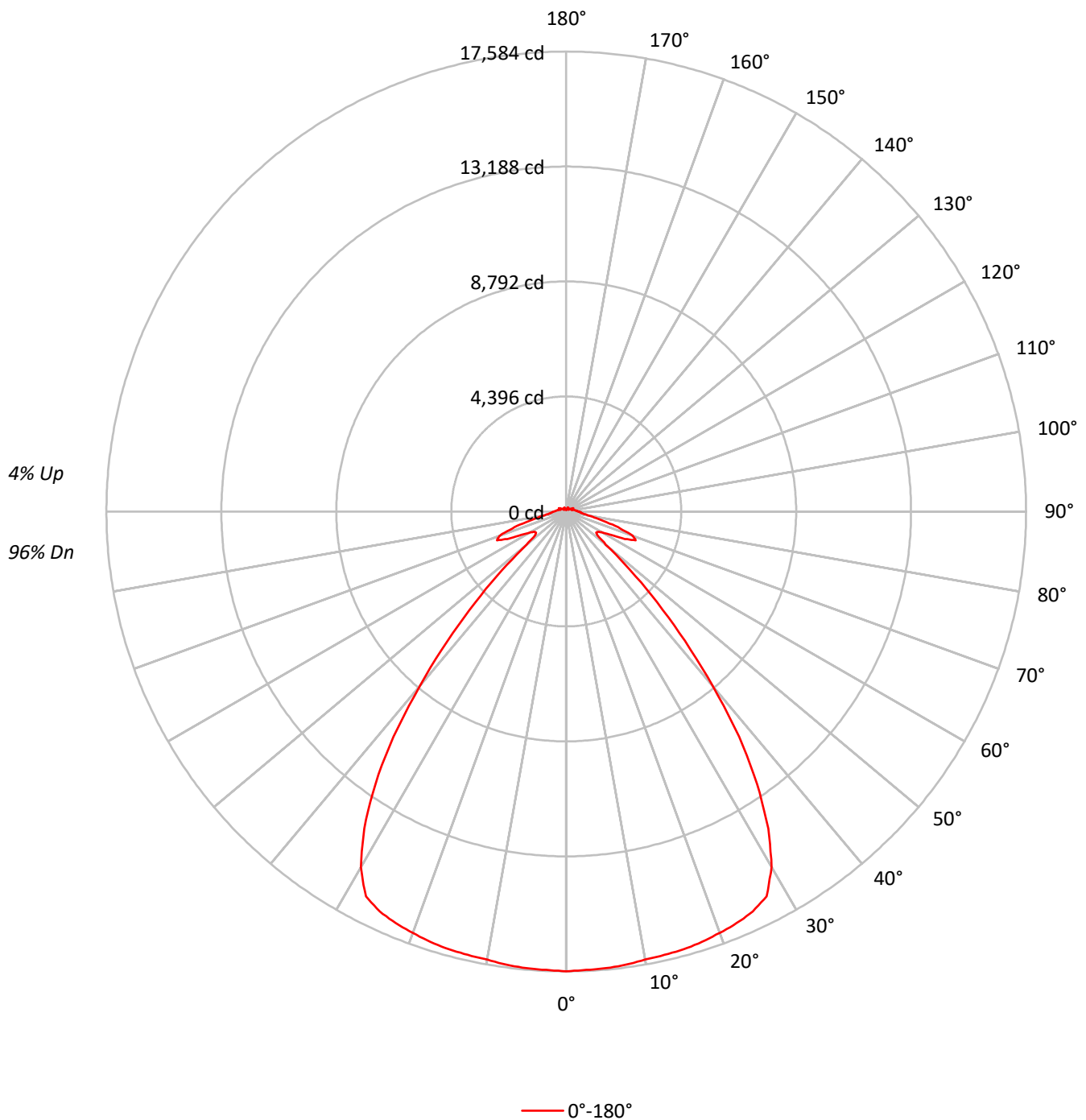
Lumens per Lamp: N/A
Luminaire Lumens: 33470.5 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 236.8
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°	101392
5°	96550
10°	92375
15°	89462
20°	86759
25°	84361
30°	78161
35°	63580
40°	43901
45°	25262
50°	10428
55°	7685
60°	9218
65°	15017
70°	17448
75°	11255
80°	6578
85°	4960

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25262 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1669.5	5.0
10°-20°	4903.2	14.6
20°-30°	7728.6	23.1
30°-40°	7791.5	23.3
40°-50°	3855.1	11.5
50°-60°	1375.9	4.1
60°-70°	2350.4	7.0
70°-80°	1771.9	5.3
80°-90°	659.8	2.0
90°-100°	415.5	1.2
100°-110°	266.7	0.8
110°-120°	267.7	0.8
120°-130°	129.5	0.4
130°-140°	88.8	0.3
140°-150°	95.7	0.3
150°-160°	67.1	0.2
160°-170°	27.9	0.1
170°-180°	5.8	0.0
0°-30°	14301.2	42.7
0°-40°	22092.7	66.0
0°-60°	27323.6	81.6
0°-90°	32105.7	95.9
90°-120°	949.8	2.8
90°-150°	1263.9	3.8
90°-180°	1365.0	4.1
0°-180°	33470.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17584	
5°	17534	###
15°	17335	4903
25°	16876	7729
35°	12732	7791
45°	4910	3855
55°	1403	1376
65°	2481	2350
75°	1608	1772
85°	576	525
90°	457	254
95°	378	296
105°	224	267
115°	286	268
125°	137	130
135°	111	89
145°	155	96
155°	148	67
165°	95	28
175°	58	6
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17583.5
2.5°	17545.4
5°	17533.8
7.5°	17484.1
10°	17403.7
12.5°	17369.9
15°	17335.0
17.5°	17256.8
20°	17148.9
22.5°	17039.0
25°	16876.2
27.5°	16590.7
30°	15703.6
32.5°	14376.8
35°	12731.7
37.5°	10850.8
40°	8695.0
42.5°	6722.1
45°	4910.0
47.5°	3314.5
50°	1972.9
52.5°	1504.5
55°	1403.0
57.5°	1446.3
60°	1609.2
62.5°	1925.3
65°	2481.4
67.5°	2874.7
70°	2698.2
72.5°	2178.0
75°	1608.1
77.5°	1165.1
80°	855.3
82.5°	665.0
85°	576.2
87.5°	523.3
90°	456.7
92.5°	413.4
95°	378.5
97.5°	348.9
100°	306.6
102.5°	253.7
105°	224.1
107.5°	237.9
110°	278.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	301.3
115°	285.5
117.5°	247.4
120°	206.2
122.5°	168.1
125°	137.4
127.5°	114.2
130°	101.5
132.5°	100.4
135°	111.0
137.5°	127.9
140°	142.7
142.5°	152.2
145°	155.4
147.5°	154.4
150°	153.3
152.5°	151.2
155°	148.0
157.5°	138.5
160°	124.8
162.5°	110.0
165°	95.2
167.5°	80.4
170°	67.7
172.5°	61.3
175°	58.1
177.5°	57.1
180°	57.1

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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	14.66	15.93	15.10	16.33	16.75	14.66	15.93	15.10	16.33	16.75
	3H	21.03	22.17	21.48	22.59	23.05	21.03	22.17	21.48	22.59	23.05
	4H	21.94	23.02	22.41	23.45	23.93	21.94	23.02	22.41	23.45	23.93
	6H	22.30	23.30	22.79	23.75	24.24	22.30	23.30	22.79	23.75	24.24
	8H	22.39	23.34	22.89	23.81	24.31	22.39	23.34	22.89	23.81	24.31
	12H	22.46	23.37	22.97	23.83	24.36	22.46	23.37	22.97	23.83	24.36
4H	2H	16.86	17.93	17.33	18.36	18.85	16.86	17.93	17.33	18.36	18.85
	3H	22.15	23.05	22.64	23.54	24.04	22.15	23.05	22.64	23.54	24.04
	4H	23.05	23.87	23.55	24.36	24.90	23.05	23.87	23.55	24.36	24.90
	6H	23.46	24.17	23.99	24.69	25.25	23.46	24.17	23.99	24.69	25.25
	8H	23.56	24.23	24.10	24.75	25.31	23.56	24.23	24.10	24.75	25.31
	12H	23.66	24.26	24.22	24.81	25.38	23.66	24.26	24.22	24.81	25.38
8H	4H	23.30	23.96	23.83	24.48	25.05	23.30	23.96	23.83	24.48	25.05
	6H	23.77	24.31	24.33	24.88	25.45	23.77	24.31	24.33	24.88	25.45
	8H	23.92	24.41	24.50	24.99	25.58	23.92	24.41	24.50	24.99	25.58
	12H	24.09	24.51	24.67	25.08	25.74	24.09	24.51	24.67	25.08	25.74
12H	4H	23.29	23.88	23.84	24.43	25.00	23.29	23.88	23.84	24.43	25.00
	6H	23.77	24.26	24.35	24.84	25.43	23.77	24.26	24.35	24.84	25.43
	8H	23.97	24.39	24.55	24.96	25.62	23.97	24.39	24.55	24.96	25.62

END OF REPORT