

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: P1221415

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221415
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 (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

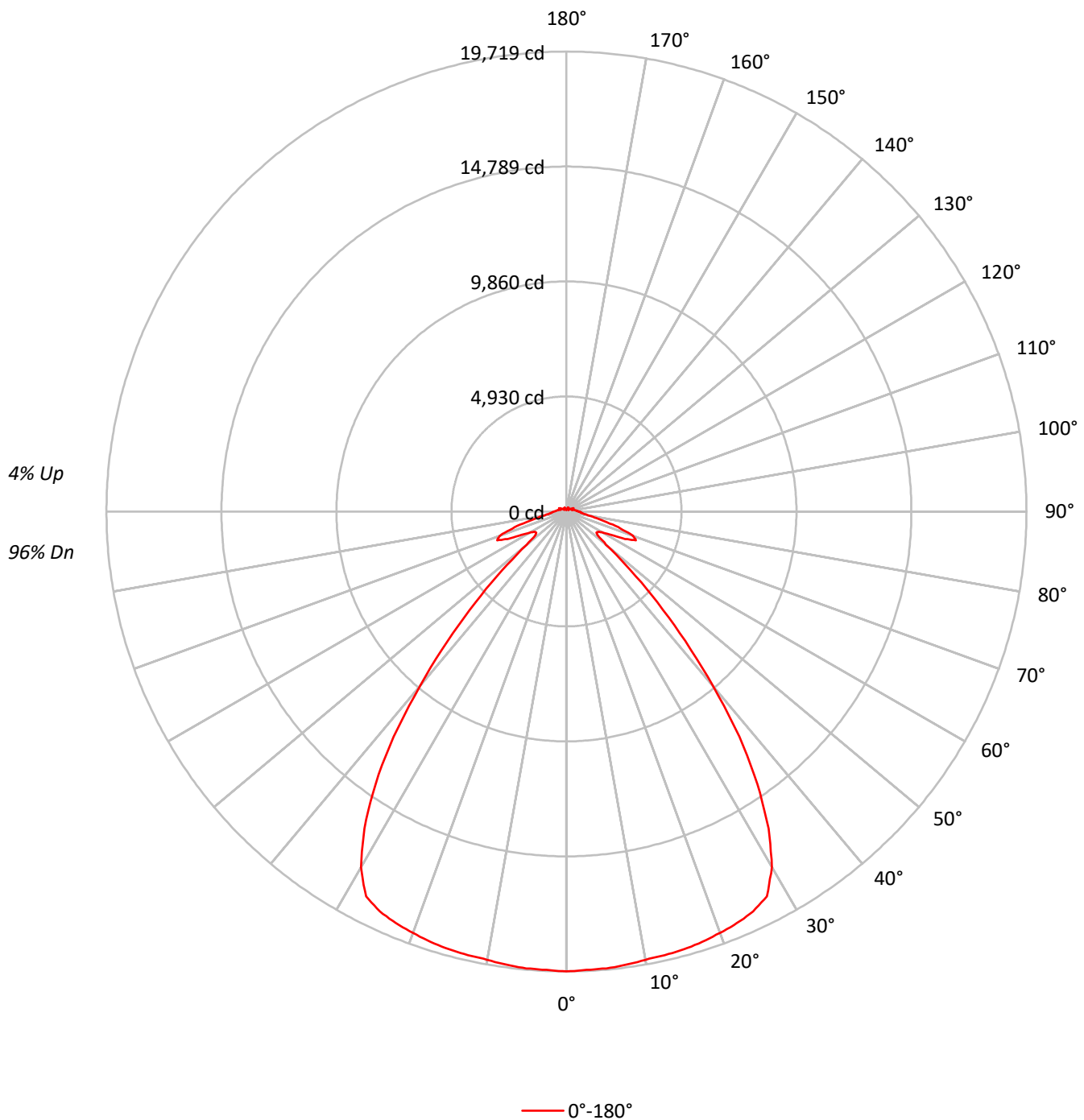
Lumens per Lamp: N/A
Luminaire Lumens: 37536.1 lumens
Efficiency: N/A
Efficacy: 163.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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	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	96		
1	109	105	101	98	106	102	99	96	98	95	92	93	91	89	89	87	86	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	75	73		
3	94	85	78	73	91	83	77	72	80	74	70	77	72	68	74	70	67	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	60	58		
5	82	71	63	57	79	69	62	57	67	61	56	65	59	55	62	58	54	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	49	47		
7	72	60	52	47	70	59	52	46	57	51	46	55	50	45	54	49	45	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	41	39		
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	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	35	33		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113708
5°	108278
10°	103596
15°	100329
20°	97298
25°	94608
30°	87656
35°	71303
40°	49234
45°	28330
50°	11695
55°	8618
60°	10337
65°	16841
70°	19567
75°	12622
80°	7377
85°	5562

MAXIMUM LUMINANCE 45°-90°:

Luminance: 28330 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1872.3	5.0
10°-20°	5498.8	14.6
20°-30°	8667.4	23.1
30°-40°	8737.9	23.3
40°-50°	4323.3	11.5
50°-60°	1543.0	4.1
60°-70°	2635.8	7.0
70°-80°	1987.1	5.3
80°-90°	739.9	2.0
90°-100°	465.9	1.2
100°-110°	299.1	0.8
110°-120°	300.1	0.8
120°-130°	145.3	0.4
130°-140°	99.6	0.3
140°-150°	107.3	0.3
150°-160°	75.3	0.2
160°-170°	31.3	0.1
170°-180°	6.6	0.0
0°-30°	16038.4	42.7
0°-40°	24776.3	66.0
0°-60°	30642.6	81.6
0°-90°	36005.5	95.9
90°-120°	1065.2	2.8
90°-150°	1417.5	3.8
90°-180°	1531.0	4.1
0°-180°	37536.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19719	
5°	19664	###
15°	19441	5499
25°	18926	8667
35°	14278	8738
45°	5506	4323
55°	1573	1543
65°	2783	2636
75°	1803	1987
85°	646	589
90°	512	284
95°	424	332
105°	251	299
115°	320	300
125°	154	145
135°	124	100
145°	174	107
155°	166	75
165°	107	31
175°	65	7
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19719.3
2.5°	19676.6
5°	19663.6
7.5°	19607.9
10°	19517.8
12.5°	19479.8
15°	19440.7
17.5°	19353.0
20°	19232.0
22.5°	19108.7
25°	18926.1
27.5°	18606.0
30°	17611.2
32.5°	16123.1
35°	14278.2
37.5°	12168.8
40°	9751.2
42.5°	7538.7
45°	5506.4
47.5°	3717.2
50°	2212.5
52.5°	1687.2
55°	1573.4
57.5°	1622.0
60°	1804.6
62.5°	2159.2
65°	2782.8
67.5°	3223.9
70°	3025.9
72.5°	2442.5
75°	1803.4
77.5°	1306.6
80°	959.2
82.5°	745.8
85°	646.2
87.5°	586.9
90°	512.2
92.5°	463.6
95°	424.5
97.5°	391.3
100°	343.9
102.5°	284.6
105°	251.4
107.5°	266.8
110°	311.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	337.9
115°	320.1
117.5°	277.5
120°	231.2
122.5°	188.5
125°	154.1
127.5°	128.1
130°	113.8
132.5°	112.6
135°	124.5
137.5°	143.5
140°	160.1
142.5°	170.7
145°	174.3
147.5°	173.1
150°	171.9
152.5°	169.6
155°	166.0
157.5°	155.3
160°	139.9
162.5°	123.3
165°	106.7
167.5°	90.1
170°	75.9
172.5°	68.8
175°	65.2
177.5°	64.0
180°	64.0

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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	15.06	16.32	15.49	16.73	17.14	15.06	16.32	15.49	16.73	17.14
	3H	21.43	22.57	21.88	22.98	23.45	21.43	22.57	21.88	22.98	23.45
	4H	22.34	23.41	22.81	23.85	24.33	22.34	23.41	22.81	23.85	24.33
	6H	22.70	23.69	23.19	24.14	24.64	22.70	23.69	23.19	24.14	24.64
	8H	22.79	23.73	23.29	24.21	24.71	22.79	23.73	23.29	24.21	24.71
	12H	22.86	23.77	23.36	24.23	24.76	22.86	23.77	23.36	24.23	24.76
4H	2H	17.25	18.33	17.73	18.76	19.24	17.25	18.33	17.73	18.76	19.24
	3H	22.55	23.45	23.03	23.94	24.44	22.55	23.45	23.03	23.94	24.44
	4H	23.45	24.27	23.95	24.76	25.30	23.45	24.27	23.95	24.76	25.30
	6H	23.86	24.57	24.38	25.09	25.65	23.86	24.57	24.38	25.09	25.65
	8H	23.96	24.63	24.50	25.15	25.71	23.96	24.63	24.50	25.15	25.71
	12H	24.06	24.65	24.61	25.21	25.77	24.06	24.65	24.61	25.21	25.77
8H	4H	23.70	24.36	24.23	24.88	25.45	23.70	24.36	24.23	24.88	25.45
	6H	24.16	24.71	24.73	25.28	25.85	24.16	24.71	24.73	25.28	25.85
	8H	24.32	24.81	24.90	25.39	25.97	24.32	24.81	24.90	25.39	25.97
	12H	24.48	24.91	25.06	25.48	26.14	24.48	24.91	25.06	25.48	26.14
12H	4H	23.69	24.28	24.24	24.83	25.40	23.69	24.28	24.24	24.83	25.40
	6H	24.17	24.66	24.75	25.24	25.82	24.17	24.66	24.75	25.24	25.82
	8H	24.36	24.79	24.94	25.36	26.02	24.36	24.79	24.94	25.36	26.02

END OF REPORT