

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: P1221424

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221424
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 (5000K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

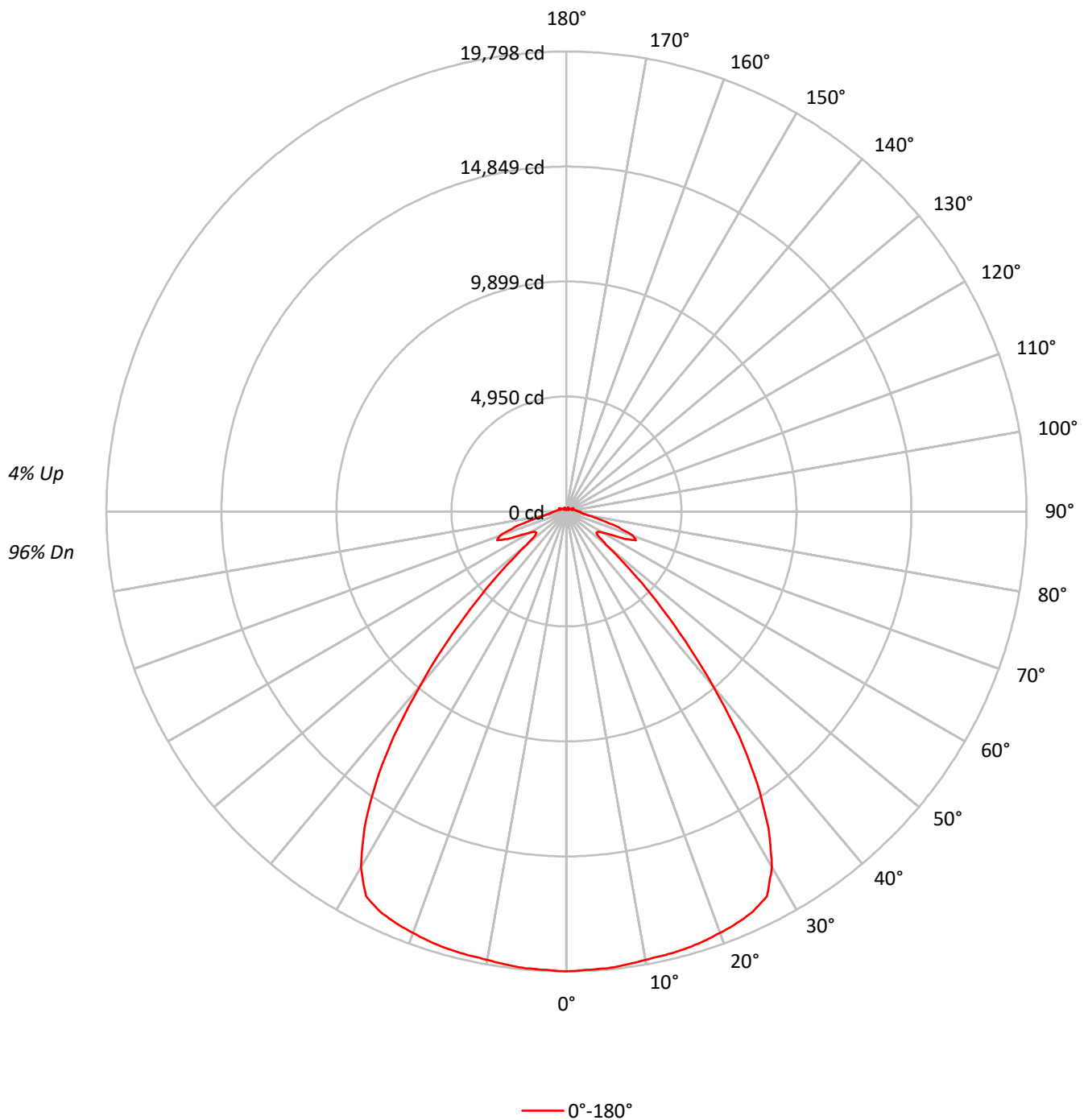
Lumens per Lamp: N/A
Luminaire Lumens: 37687.0 lumens
Efficiency: N/A
Efficacy: 163.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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°	114165
5°	108713
10°	104012
15°	100732
20°	97689
25°	94988
30°	88008
35°	71589
40°	49431
45°	28444
50°	11742
55°	8652
60°	10379
65°	16909
70°	19645
75°	12673
80°	7407
85°	5584

MAXIMUM LUMINANCE 45°-90°:

Luminance: 28444 cd/sgm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1879.8	5.0
10°-20°	5520.8	14.6
20°-30°	8702.2	23.1
30°-40°	8773.0	23.3
40°-50°	4340.7	11.5
50°-60°	1549.2	4.1
60°-70°	2646.4	7.0
70°-80°	1995.2	5.3
80°-90°	742.9	2.0
90°-100°	467.8	1.2
100°-110°	300.3	0.8
110°-120°	301.4	0.8
120°-130°	145.9	0.4
130°-140°	100.0	0.3
140°-150°	107.8	0.3
150°-160°	75.6	0.2
160°-170°	31.4	0.1
170°-180°	6.6	0.0
0°-30°	16102.8	42.7
0°-40°	24875.8	66.0
0°-60°	30765.7	81.6
0°-90°	36150.2	95.9
90°-120°	1069.5	2.8
90°-150°	1423.2	3.8
90°-180°	1537.0	4.1
0°-180°	37687.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19798	
5°	19743	###
15°	19519	5521
25°	19002	8702
35°	14336	8773
45°	5528	4341
55°	1580	1549
65°	2794	2646
75°	1811	1995
85°	649	592
90°	514	285
95°	426	334
105°	252	300
115°	321	301
125°	155	146
135°	125	100
145°	175	108
155°	167	76
165°	107	31
175°	66	7
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19798.5
2.5°	19755.7
5°	19742.6
7.5°	19686.6
10°	19596.2
12.5°	19558.1
15°	19518.8
17.5°	19430.7
20°	19309.3
22.5°	19185.5
25°	19002.1
27.5°	18680.7
30°	17681.9
32.5°	16187.9
35°	14335.5
37.5°	12217.7
40°	9790.3
42.5°	7568.9
45°	5528.5
47.5°	3732.1
50°	2221.4
52.5°	1694.0
55°	1579.7
57.5°	1628.5
60°	1811.9
62.5°	2167.8
65°	2794.0
67.5°	3236.9
70°	3038.1
72.5°	2452.3
75°	1810.7
77.5°	1311.9
80°	963.1
82.5°	748.8
85°	648.8
87.5°	589.3
90°	514.3
92.5°	465.5
95°	426.2
97.5°	392.9
100°	345.2
102.5°	285.7
105°	252.4
107.5°	267.9
110°	313.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	339.3
115°	321.4
117.5°	278.6
120°	232.1
122.5°	189.3
125°	154.8
127.5°	128.6
130°	114.3
132.5°	113.1
135°	125.0
137.5°	144.0
140°	160.7
142.5°	171.4
145°	175.0
147.5°	173.8
150°	172.6
152.5°	170.2
155°	166.7
157.5°	156.0
160°	140.5
162.5°	123.8
165°	107.1
167.5°	90.5
170°	76.2
172.5°	69.0
175°	65.5
177.5°	64.3
180°	64.3

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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	15.07	16.34	15.51	16.74	17.16	15.07	16.34	15.51	16.74	17.16
	3H	21.44	22.58	21.89	23.00	23.46	21.44	22.58	21.89	23.00	23.46
	4H	22.35	23.43	22.83	23.86	24.34	22.35	23.43	22.83	23.86	24.34
	6H	22.72	23.71	23.20	24.16	24.65	22.72	23.71	23.20	24.16	24.65
	8H	22.80	23.75	23.30	24.22	24.72	22.80	23.75	23.30	24.22	24.72
	12H	22.88	23.78	23.38	24.24	24.77	22.88	23.78	23.38	24.24	24.77
4H	2H	17.27	18.34	17.74	18.78	19.26	17.27	18.34	17.74	18.78	19.26
	3H	22.57	23.47	23.05	23.95	24.45	22.57	23.47	23.05	23.95	24.45
	4H	23.46	24.28	23.97	24.78	25.31	23.46	24.28	23.97	24.78	25.31
	6H	23.87	24.58	24.40	25.10	25.66	23.87	24.58	24.40	25.10	25.66
	8H	23.98	24.64	24.51	25.16	25.73	23.98	24.64	24.51	25.16	25.73
	12H	24.08	24.67	24.63	25.22	25.79	24.08	24.67	24.63	25.22	25.79
8H	4H	23.71	24.38	24.24	24.90	25.46	23.71	24.38	24.24	24.90	25.46
	6H	24.18	24.73	24.74	25.29	25.87	24.18	24.73	24.74	25.29	25.87
	8H	24.33	24.82	24.92	25.40	25.99	24.33	24.82	24.92	25.40	25.99
	12H	24.50	24.93	25.08	25.49	26.15	24.50	24.93	25.08	25.49	26.15
12H	4H	23.70	24.29	24.25	24.84	25.41	23.70	24.29	24.25	24.84	25.41
	6H	24.18	24.67	24.77	25.25	25.84	24.18	24.67	24.77	25.25	25.84
	8H	24.38	24.81	24.96	25.37	26.03	24.38	24.81	24.96	25.37	26.03

END OF REPORT