

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: P1221461

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221461
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

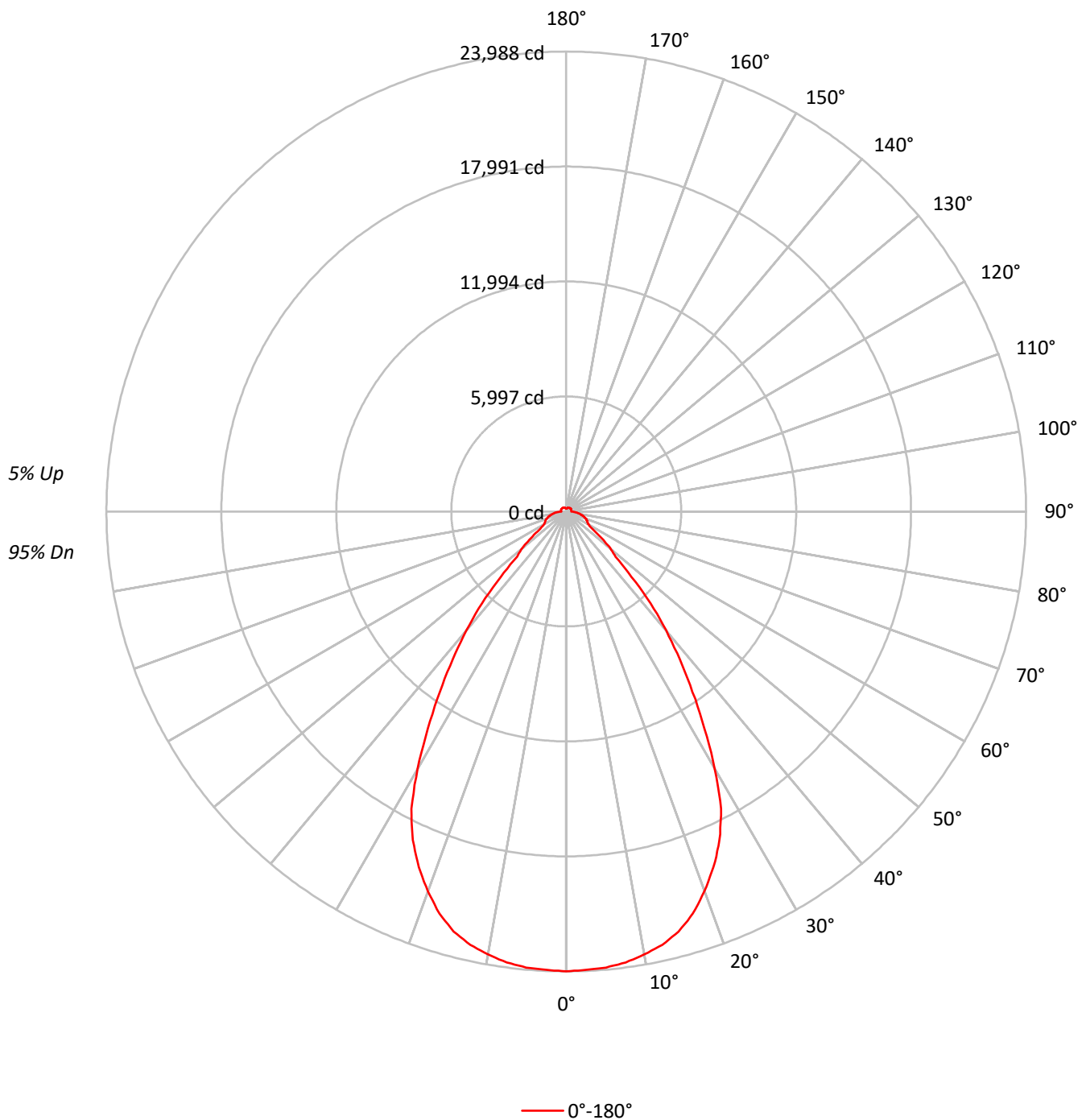
Lumens per Lamp: N/A
Luminaire Lumens: 34363.4 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95		
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87	85		
2	103	97	91	87	100	94	90	86	90	86	83	86	83	81	83	80	78	76		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	73	70	68		
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	67	64	62		
5	84	74	67	62	82	73	66	61	71	65	60	68	63	59	66	62	58	57		
6	79	69	61	56	77	68	61	56	65	60	55	63	58	54	62	57	54	52		
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	44		
9	66	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	41		
10	63	52	45	41	62	51	45	40	50	44	40	49	43	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138321
5°	131495
10°	124528
15°	117040
20°	106638
25°	94596
30°	77186
35°	57346
40°	40871
45°	24792
50°	15806
55°	9995
60°	7607
65°	7341
70°	6985
75°	6373
80°	5490
85°	4255

MAXIMUM LUMINANCE 45°-90°:

Luminance: 24792 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2266.1	6.6
10°-20°	6350.1	18.5
20°-30°	8581.6	25.0
30°-40°	7202.1	21.0
40°-50°	3883.0	11.3
50°-60°	1759.7	5.1
60°-70°	1196.8	3.5
70°-80°	957.1	2.8
80°-90°	535.1	1.6
90°-100°	294.6	0.9
100°-110°	296.8	0.9
110°-120°	278.7	0.8
120°-130°	243.7	0.7
130°-140°	199.5	0.6
140°-150°	151.4	0.4
150°-160°	100.8	0.3
160°-170°	51.2	0.1
170°-180°	15.0	0.0
0°-30°	17197.8	50.0
0°-40°	24399.9	71.0
0°-60°	30042.6	87.4
0°-90°	32731.6	95.3
90°-120°	870.1	2.5
90°-150°	1464.8	4.3
90°-180°	1632.0	4.7
0°-180°	34363.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23988	
5°	23880	###
15°	22679	6350
25°	18924	8582
35°	11484	7202
45°	4819	3883
55°	1825	1760
65°	1213	1197
75°	911	957
85°	494	448
90°	262	160
95°	270	222
105°	281	297
115°	281	279
125°	272	244
135°	257	200
145°	241	151
155°	218	101
165°	179	51
175°	158	15
180°	155	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23987.8
2.5°	23927.4
5°	23879.9
7.5°	23725.8
10°	23461.4
12.5°	23149.6
15°	22678.8
17.5°	21987.6
20°	21078.1
22.5°	20082.2
25°	18923.7
27.5°	17495.0
30°	15507.7
32.5°	13430.4
35°	11483.5
37.5°	9721.5
40°	8094.8
42.5°	6509.5
45°	4818.7
47.5°	3484.8
50°	2990.3
52.5°	2442.5
55°	1824.8
57.5°	1486.9
60°	1328.0
62.5°	1259.2
65°	1213.0
67.5°	1152.5
70°	1080.2
72.5°	1000.7
75°	910.6
77.5°	815.8
80°	713.8
82.5°	608.3
85°	494.4
87.5°	373.5
90°	262.0
92.5°	266.8
95°	270.3
97.5°	273.9
100°	276.3
102.5°	279.8
105°	281.0
107.5°	282.2
110°	282.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	282.2
115°	281.0
117.5°	279.8
120°	277.5
122.5°	275.1
125°	271.5
127.5°	268.0
130°	265.6
132.5°	260.9
135°	257.3
137.5°	253.7
140°	250.2
142.5°	245.4
145°	240.7
147.5°	236.0
150°	231.2
152.5°	225.3
155°	218.2
157.5°	208.7
160°	198.0
162.5°	188.5
165°	179.0
167.5°	168.4
170°	158.9
172.5°	156.5
175°	157.7
177.5°	156.5
180°	155.3

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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	14.72	15.89	15.17	16.31	16.75	14.72	15.89	15.17	16.31	16.75
	3H	16.73	17.78	17.20	18.21	18.69	16.73	17.78	17.20	18.21	18.69
	4H	17.60	18.57	18.09	19.02	19.52	17.60	18.57	18.09	19.02	19.52
	6H	18.32	19.22	18.82	19.68	20.19	18.32	19.22	18.82	19.68	20.19
	8H	18.59	19.44	19.11	19.93	20.45	18.59	19.44	19.11	19.93	20.45
	12H	18.81	19.62	19.32	20.10	20.64	18.81	19.62	19.32	20.10	20.64
4H	2H	15.24	16.22	15.73	16.67	17.17	15.24	16.22	15.73	16.67	17.17
	3H	17.48	18.29	17.98	18.79	19.31	17.48	18.29	17.98	18.79	19.31
	4H	18.48	19.21	19.00	19.72	20.27	18.48	19.21	19.00	19.72	20.27
	6H	19.34	19.97	19.89	20.51	21.08	19.34	19.97	19.89	20.51	21.08
	8H	19.68	20.27	20.22	20.80	21.38	19.68	20.27	20.22	20.80	21.38
	12H	19.95	20.47	20.52	21.04	21.62	19.95	20.47	20.52	21.04	21.62
8H	4H	18.78	19.37	19.33	19.90	20.49	18.78	19.37	19.33	19.90	20.49
	6H	19.78	20.27	20.37	20.85	21.44	19.78	20.27	20.37	20.85	21.44
	8H	20.21	20.65	20.81	21.25	21.85	20.21	20.65	20.81	21.25	21.85
	12H	20.60	20.98	21.19	21.56	22.24	20.60	20.98	21.19	21.56	22.24
12H	4H	18.81	19.33	19.37	19.90	20.48	18.81	19.33	19.37	19.90	20.48
	6H	19.85	20.29	20.45	20.88	21.48	19.85	20.29	20.45	20.88	21.48
	8H	20.34	20.73	20.94	21.30	21.98	20.34	20.73	20.94	21.30	21.98

END OF REPORT