

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: P1221452

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221452
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

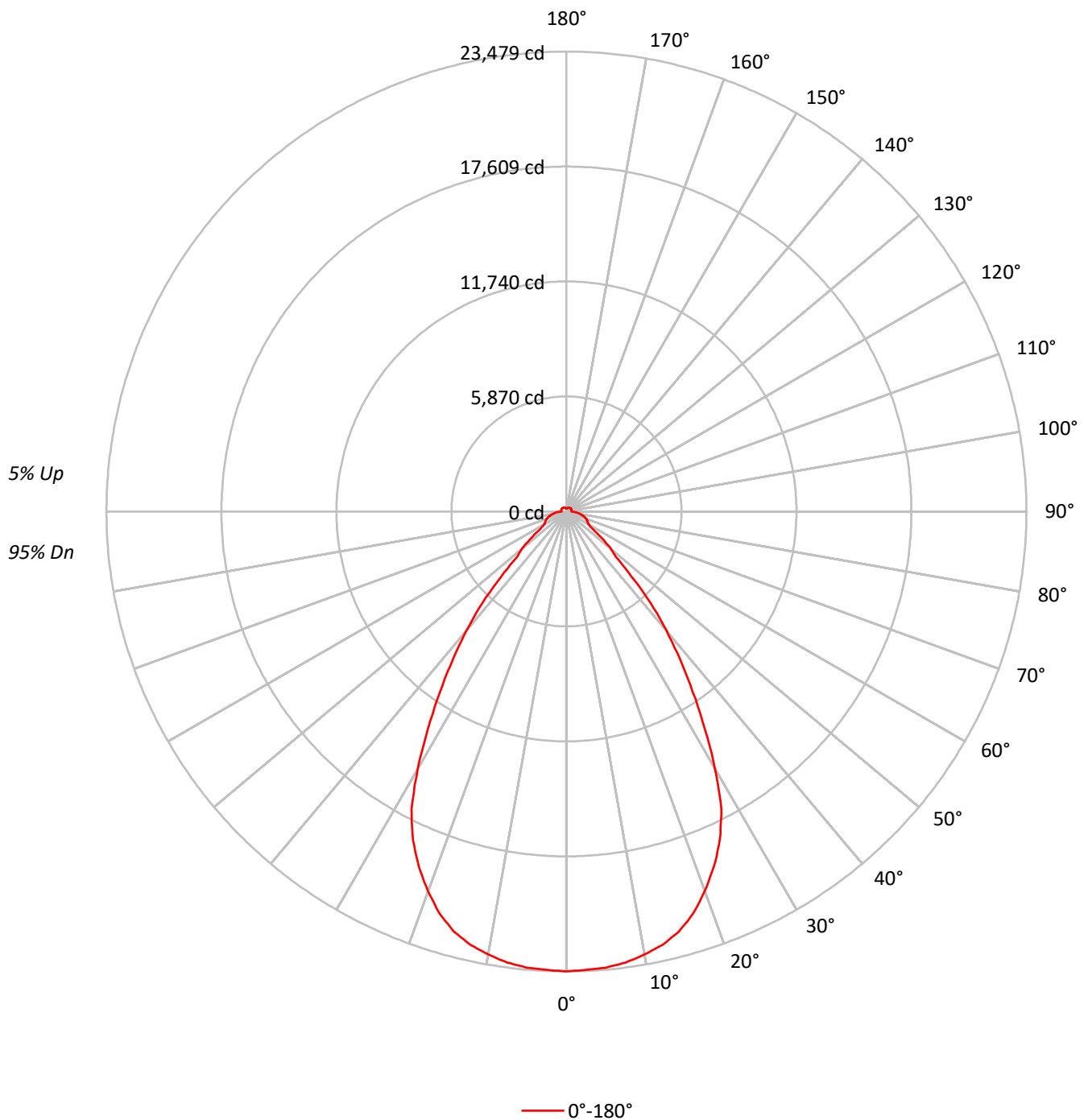
Lumens per Lamp: N/A
Luminaire Lumens: 33634.7 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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°	135388
5°	128707
10°	121887
15°	114559
20°	104376
25°	92590
30°	75550
35°	56130
40°	40004
45°	24266
50°	15471
55°	9783
60°	7446
65°	7185
70°	6837
75°	6238
80°	5374
85°	4166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24266 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2218.1	6.6
10°-20°	6215.4	18.5
20°-30°	8399.7	25.0
30°-40°	7049.3	21.0
40°-50°	3800.6	11.3
50°-60°	1722.4	5.1
60°-70°	1171.4	3.5
70°-80°	936.8	2.8
80°-90°	523.8	1.6
90°-100°	288.4	0.9
100°-110°	290.5	0.9
110°-120°	272.8	0.8
120°-130°	238.5	0.7
130°-140°	195.3	0.6
140°-150°	148.2	0.4
150°-160°	98.6	0.3
160°-170°	50.1	0.1
170°-180°	14.7	0.0
0°-30°	16833.1	50.0
0°-40°	23882.5	71.0
0°-60°	29405.5	87.4
0°-90°	32037.5	95.3
90°-120°	851.6	2.5
90°-150°	1433.7	4.3
90°-180°	1597.0	4.7
0°-180°	33634.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23479	
5°	23374	###
15°	22198	6215
25°	18522	8400
35°	11240	7049
45°	4716	3801
55°	1786	1722
65°	1187	1171
75°	891	937
85°	484	439
90°	256	156
95°	265	217
105°	275	291
115°	275	273
125°	266	239
135°	252	195
145°	236	148
155°	214	99
165°	175	50
175°	154	15
180°	152	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23479.1
2.5°	23420.0
5°	23373.5
7.5°	23222.7
10°	22963.9
12.5°	22658.6
15°	22197.9
17.5°	21521.3
20°	20631.1
22.5°	19656.3
25°	18522.4
27.5°	17124.0
30°	15178.9
32.5°	13145.6
35°	11240.0
37.5°	9515.4
40°	7923.1
42.5°	6371.4
45°	4716.5
47.5°	3410.9
50°	2926.9
52.5°	2390.7
55°	1786.1
57.5°	1455.3
60°	1299.8
62.5°	1232.5
65°	1187.2
67.5°	1128.1
70°	1057.3
72.5°	979.5
75°	891.3
77.5°	798.5
80°	698.7
82.5°	595.4
85°	484.0
87.5°	365.6
90°	256.5
92.5°	261.1
95°	264.6
97.5°	268.1
100°	270.4
102.5°	273.9
105°	275.1
107.5°	276.2
110°	276.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	276.2
115°	275.1
117.5°	273.9
120°	271.6
122.5°	269.2
125°	265.8
127.5°	262.3
130°	260.0
132.5°	255.3
135°	251.8
137.5°	248.4
140°	244.9
142.5°	240.2
145°	235.6
147.5°	231.0
150°	226.3
152.5°	220.5
155°	213.5
157.5°	204.3
160°	193.8
162.5°	184.5
165°	175.2
167.5°	164.8
170°	155.5
172.5°	153.2
175°	154.4
177.5°	153.2
180°	152.0

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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	14.65	15.82	15.10	16.23	16.67	14.65	15.82	15.10	16.23	16.67
	3H	16.66	17.70	17.12	18.13	18.62	16.66	17.70	17.12	18.13	18.62
	4H	17.52	18.50	18.01	18.95	19.45	17.52	18.50	18.01	18.95	19.45
	6H	18.24	19.14	18.74	19.61	20.12	18.24	19.14	18.74	19.61	20.12
	8H	18.52	19.37	19.03	19.85	20.38	18.52	19.37	19.03	19.85	20.38
	12H	18.73	19.55	19.25	20.02	20.57	18.73	19.55	19.25	20.02	20.57
4H	2H	15.17	16.14	15.66	16.59	17.09	15.17	16.14	15.66	16.59	17.09
	3H	17.41	18.22	17.90	18.71	19.23	17.41	18.22	17.90	18.71	19.23
	4H	18.41	19.13	18.92	19.64	20.20	18.41	19.13	18.92	19.64	20.20
	6H	19.27	19.90	19.81	20.43	21.01	19.27	19.90	19.81	20.43	21.01
	8H	19.60	20.19	20.15	20.73	21.31	19.60	20.19	20.15	20.73	21.31
	12H	19.88	20.40	20.44	20.97	21.55	19.88	20.40	20.44	20.97	21.55
8H	4H	18.71	19.30	19.26	19.83	20.41	18.71	19.30	19.26	19.83	20.41
	6H	19.71	20.19	20.29	20.78	21.37	19.71	20.19	20.29	20.78	21.37
	8H	20.14	20.58	20.74	21.17	21.77	20.14	20.58	20.74	21.17	21.77
	12H	20.52	20.91	21.12	21.48	22.16	20.52	20.91	21.12	21.48	22.16
12H	4H	18.73	19.26	19.30	19.82	20.41	18.73	19.26	19.30	19.82	20.41
	6H	19.78	20.21	20.38	20.81	21.41	19.78	20.21	20.38	20.81	21.41
	8H	20.27	20.65	20.86	21.23	21.91	20.27	20.65	20.86	21.23	21.91