

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: P1221470

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (5000K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221470
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

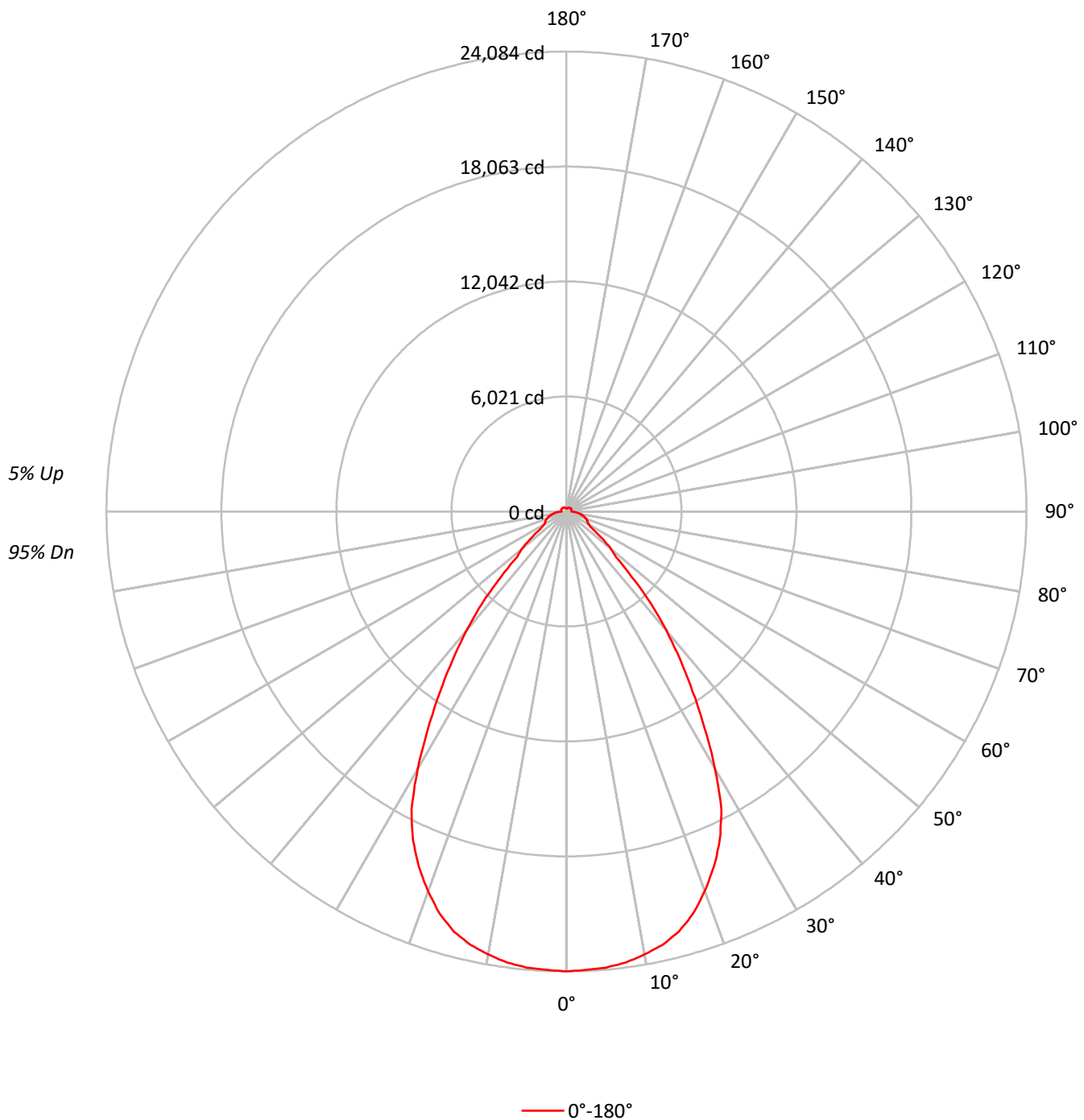
Lumens per Lamp: N/A
Luminaire Lumens: 34501.2 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
RCR																	
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87
2	103	97	91	87	100	94	90	86	90	86	83	86	83	81	83	80	78
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	73	70
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	67	64
5	84	74	67	62	82	73	66	61	71	65	60	68	63	59	66	62	58
6	79	69	61	56	77	68	61	56	65	60	55	63	58	54	62	57	54
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	49
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46
9	66	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42
10	63	52	45	41	62	51	45	40	50	44	40	49	43	40	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138877
5°	132024
10°	125028
15°	117511
20°	107066
25°	94976
30°	77496
35°	57577
40°	41035
45°	24891
50°	15869
55°	10035
60°	7638
65°	7370
70°	7013
75°	6399
80°	5512
85°	4273

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 24891 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2275.2	6.6
10°-20°	6375.6	18.5
20°-30°	8616.1	25.0
30°-40°	7231.0	21.0
40°-50°	3898.6	11.3
50°-60°	1766.8	5.1
60°-70°	1201.6	3.5
70°-80°	960.9	2.8
80°-90°	537.3	1.6
90°-100°	295.8	0.9
100°-110°	298.0	0.9
110°-120°	279.8	0.8
120°-130°	244.7	0.7
130°-140°	200.3	0.6
140°-150°	152.0	0.4
150°-160°	101.1	0.3
160°-170°	51.4	0.1
170°-180°	15.1	0.0
0°-30°	17266.9	50.0
0°-40°	24497.9	71.0
0°-60°	30163.2	87.4
0°-90°	32863.0	95.3
90°-120°	873.5	2.5
90°-150°	1470.6	4.3
90°-180°	1638.0	4.7
0°-180°	34501.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24084	
5°	23976	###
15°	22770	6376
25°	19000	8616
35°	11530	7231
45°	4838	3899
55°	1832	1767
65°	1218	1202
75°	914	961
85°	496	450
90°	263	160
95°	271	223
105°	282	298
115°	282	280
125°	273	245
135°	258	200
145°	242	152
155°	219	101
165°	180	51
175°	158	15
180°	156	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	24084.2
2.5°	24023.5
5°	23975.9
7.5°	23821.1
10°	23555.6
12.5°	23242.5
15°	22769.9
17.5°	22075.9
20°	21162.8
22.5°	20162.8
25°	18999.7
27.5°	17565.2
30°	15570.0
32.5°	13484.3
35°	11529.6
37.5°	9760.6
40°	8127.3
42.5°	6535.6
45°	4838.0
47.5°	3498.8
50°	3002.3
52.5°	2452.3
55°	1832.1
57.5°	1492.8
60°	1333.3
62.5°	1264.3
65°	1217.8
67.5°	1157.1
70°	1084.5
72.5°	1004.7
75°	914.3
77.5°	819.0
80°	716.7
82.5°	610.7
85°	496.4
87.5°	375.0
90°	263.1
92.5°	267.9
95°	271.4
97.5°	275.0
100°	277.4
102.5°	280.9
105°	282.1
107.5°	283.3
110°	283.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	283.3
115°	282.1
117.5°	280.9
120°	278.6
122.5°	276.2
125°	272.6
127.5°	269.0
130°	266.7
132.5°	261.9
135°	258.3
137.5°	254.8
140°	251.2
142.5°	246.4
145°	241.7
147.5°	236.9
150°	232.1
152.5°	226.2
155°	219.0
157.5°	209.5
160°	198.8
162.5°	189.3
165°	179.8
167.5°	169.0
170°	159.5
172.5°	157.1
175°	158.3
177.5°	157.1
180°	156.0

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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	14.74	15.91	15.19	16.32	16.76	14.74	15.91	15.19	16.32	16.76
	3H	16.75	17.79	17.21	18.22	18.71	16.75	17.79	17.21	18.22	18.71
	4H	17.61	18.59	18.10	19.04	19.54	17.61	18.59	18.10	19.04	19.54
	6H	18.33	19.23	18.83	19.70	20.21	18.33	19.23	18.83	19.70	20.21
	8H	18.61	19.46	19.12	19.94	20.46	18.61	19.46	19.12	19.94	20.46
	12H	18.82	19.63	19.34	20.11	20.66	18.82	19.63	19.34	20.11	20.66
4H	2H	15.26	16.23	15.74	16.68	17.18	15.26	16.23	15.74	16.68	17.18
	3H	17.50	18.30	17.99	18.80	19.32	17.50	18.30	17.99	18.80	19.32
	4H	18.49	19.22	19.01	19.73	20.29	18.49	19.22	19.01	19.73	20.29
	6H	19.36	19.99	19.90	20.52	21.10	19.36	19.99	19.90	20.52	21.10
	8H	19.69	20.28	20.24	20.81	21.40	19.69	20.28	20.24	20.81	21.40
	12H	19.96	20.49	20.53	21.05	21.64	19.96	20.49	20.53	21.05	21.64
8H	4H	18.79	19.38	19.34	19.92	20.50	18.79	19.38	19.34	19.92	20.50
	6H	19.80	20.28	20.38	20.86	21.45	19.80	20.28	20.38	20.86	21.45
	8H	20.23	20.66	20.83	21.26	21.86	20.23	20.66	20.83	21.26	21.86
	12H	20.61	21.00	21.21	21.57	22.25	20.61	21.00	21.21	21.57	22.25
12H	4H	18.82	19.34	19.39	19.91	20.50	18.82	19.34	19.39	19.91	20.50
	6H	19.86	20.30	20.46	20.90	21.50	19.86	20.30	20.46	20.90	21.50
	8H	20.36	20.74	20.95	21.32	21.99	20.36	20.74	20.95	21.32	21.99