

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: P1221475

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (6500K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221475
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-31)
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 (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

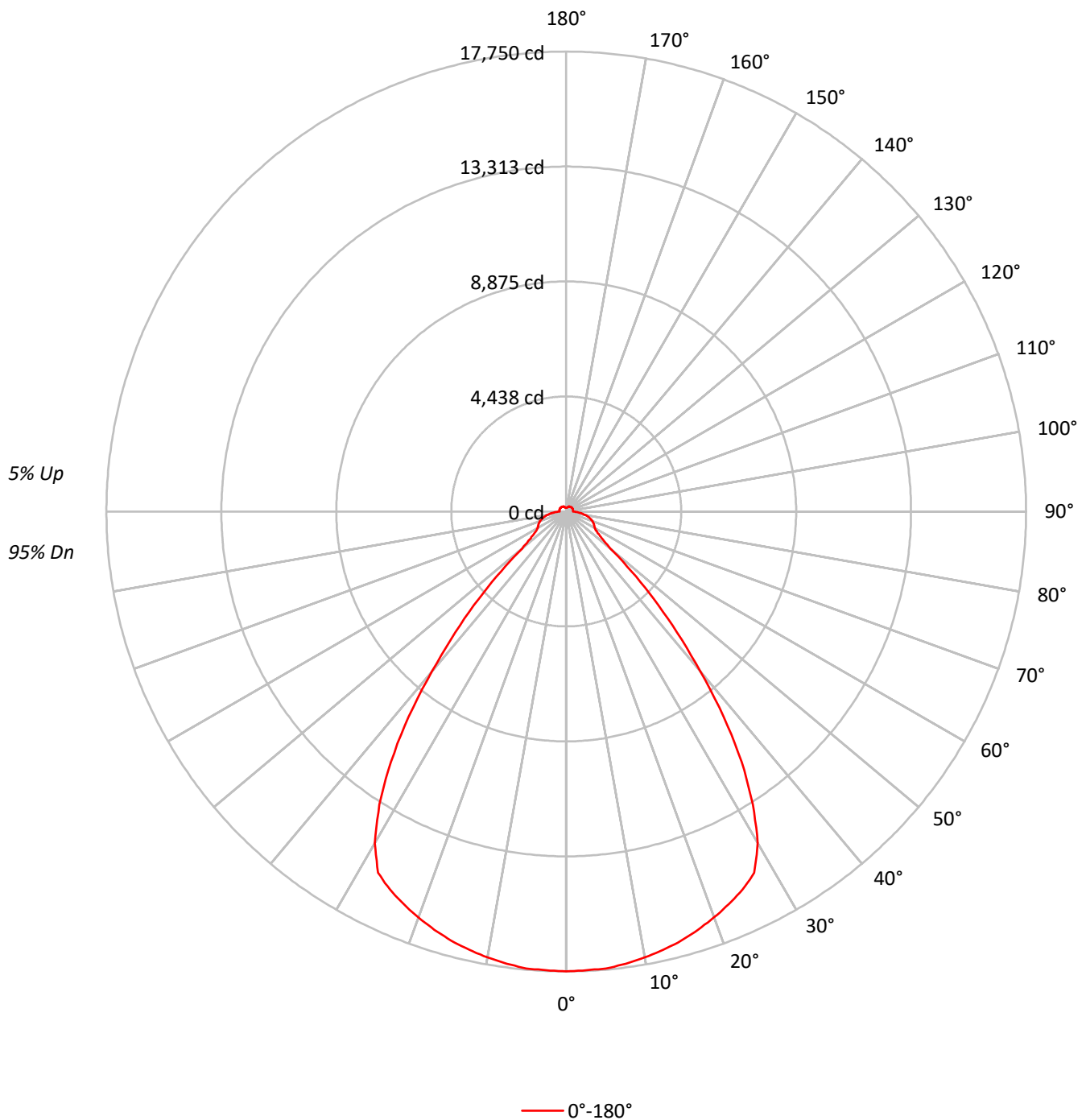
Lumens per Lamp: N/A
Luminaire Lumens: 30510.9 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.1
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	97	97	97
1	110	106	103	100	107	103	100	97	98	96	93	94	92	90	89	88	86
2	102	96	90	86	99	94	89	85	89	85	82	85	82	79	82	79	77
3	95	87	81	75	93	85	79	74	82	77	73	78	74	71	75	72	69
4	89	79	72	67	87	78	71	66	75	69	65	72	67	64	70	66	62
5	83	73	66	60	81	72	65	60	69	63	59	67	62	58	64	60	57
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47
8	69	57	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43
9	65	53	46	42	63	53	46	41	51	45	41	50	44	40	49	44	40
10	61	50	43	38	60	49	43	38	48	42	38	47	41	37	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102355
5°	97470
10°	92772
15°	88531
20°	84369
25°	80510
30°	73564
35°	58933
40°	40603
45°	24540
50°	11720
55°	8358
60°	7281
65°	7164
70°	6913
75°	6424
80°	5521
85°	4160

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 24540 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1682.2	5.5
10°-20°	4841.8	15.9
20°-30°	7377.5	24.2
30°-40°	7238.2	23.7
40°-50°	3739.4	12.3
50°-60°	1424.4	4.7
60°-70°	1167.4	3.8
70°-80°	959.7	3.1
80°-90°	526.3	1.7
90°-100°	284.1	0.9
100°-110°	284.8	0.9
110°-120°	266.6	0.9
120°-130°	232.4	0.8
130°-140°	189.4	0.6
140°-150°	142.6	0.5
150°-160°	94.0	0.3
160°-170°	47.0	0.2
170°-180°	13.4	0.0
0°-30°	13901.5	45.6
0°-40°	21139.7	69.3
0°-60°	26303.4	86.2
0°-90°	28956.7	94.9
90°-120°	835.5	2.7
90°-150°	1399.8	4.6
90°-180°	1554.0	5.1
0°-180°	30510.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17750	
5°	17701	###
15°	17155	4842
25°	16106	7377
35°	11801	7238
45°	4770	3739
55°	1526	1424
65°	1184	1167
75°	918	960
85°	483	442
90°	254	154
95°	261	214
105°	270	285
115°	269	267
125°	259	232
135°	245	189
145°	226	143
155°	203	94
165°	164	47
175°	140	13
180°	139	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17750.5
2.5°	17722.1
5°	17700.8
7.5°	17610.4
10°	17478.5
12.5°	17325.2
15°	17154.6
17.5°	16928.2
20°	16676.4
22.5°	16403.3
25°	16105.8
27.5°	15715.0
30°	14779.9
32.5°	13412.4
35°	11801.2
37.5°	9992.0
40°	8041.8
42.5°	6326.0
45°	4769.6
47.5°	3407.2
50°	2217.3
52.5°	1760.4
55°	1525.9
57.5°	1354.3
60°	1271.1
62.5°	1223.4
65°	1183.8
67.5°	1132.0
70°	1069.1
72.5°	998.0
75°	917.8
77.5°	824.4
80°	717.8
82.5°	603.1
85°	483.3
87.5°	359.4
90°	253.8
92.5°	256.9
95°	260.9
97.5°	264.0
100°	266.0
102.5°	268.0
105°	270.1
107.5°	270.1
110°	271.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	270.1
115°	269.0
117.5°	267.0
120°	265.0
122.5°	261.9
125°	258.9
127.5°	255.8
130°	252.8
132.5°	247.7
135°	244.7
137.5°	240.6
140°	235.5
142.5°	231.5
145°	226.4
147.5°	222.3
150°	217.3
152.5°	210.2
155°	203.0
157.5°	193.9
160°	184.8
162.5°	173.6
165°	163.5
167.5°	153.3
170°	143.1
172.5°	140.1
175°	140.1
177.5°	139.1
180°	139.1

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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	14.47	15.66	14.93	16.08	16.52	14.47	15.66	14.93	16.08	16.52
	3H	16.74	17.80	17.21	18.23	18.72	16.74	17.80	17.21	18.23	18.72
	4H	17.70	18.69	18.20	19.15	19.66	17.70	18.69	18.20	19.15	19.66
	6H	18.50	19.41	19.00	19.88	20.40	18.50	19.41	19.00	19.88	20.40
	8H	18.79	19.65	19.31	20.14	20.67	18.79	19.65	19.31	20.14	20.67
	12H	19.01	19.83	19.53	20.32	20.87	19.01	19.83	19.53	20.32	20.87
4H	2H	15.09	16.08	15.58	16.54	17.04	15.09	16.08	15.58	16.54	17.04
	3H	17.56	18.38	18.06	18.88	19.41	17.56	18.38	18.06	18.88	19.41
	4H	18.66	19.40	19.18	19.91	20.47	18.66	19.40	19.18	19.91	20.47
	6H	19.58	20.23	20.13	20.77	21.35	19.58	20.23	20.13	20.77	21.35
	8H	19.93	20.53	20.48	21.07	21.66	19.93	20.53	20.48	21.07	21.66
	12H	20.21	20.74	20.78	21.31	21.90	20.21	20.74	20.78	21.31	21.90
8H	4H	18.99	19.59	19.54	20.13	20.72	18.99	19.59	19.54	20.13	20.72
	6H	20.06	20.55	20.64	21.14	21.74	20.06	20.55	20.64	21.14	21.74
	8H	20.50	20.94	21.10	21.54	22.15	20.50	20.94	21.10	21.54	22.15
	12H	20.88	21.27	21.48	21.85	22.54	20.88	21.27	21.48	21.85	22.54
12H	4H	19.02	19.55	19.59	20.13	20.72	19.02	19.55	19.59	20.13	20.72
	6H	20.13	20.57	20.73	21.17	21.78	20.13	20.57	20.73	21.17	21.78
	8H	20.63	21.02	21.23	21.60	22.29	20.63	21.02	21.23	21.60	22.29