

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: P1221476

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (6500K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221476
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 (6500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

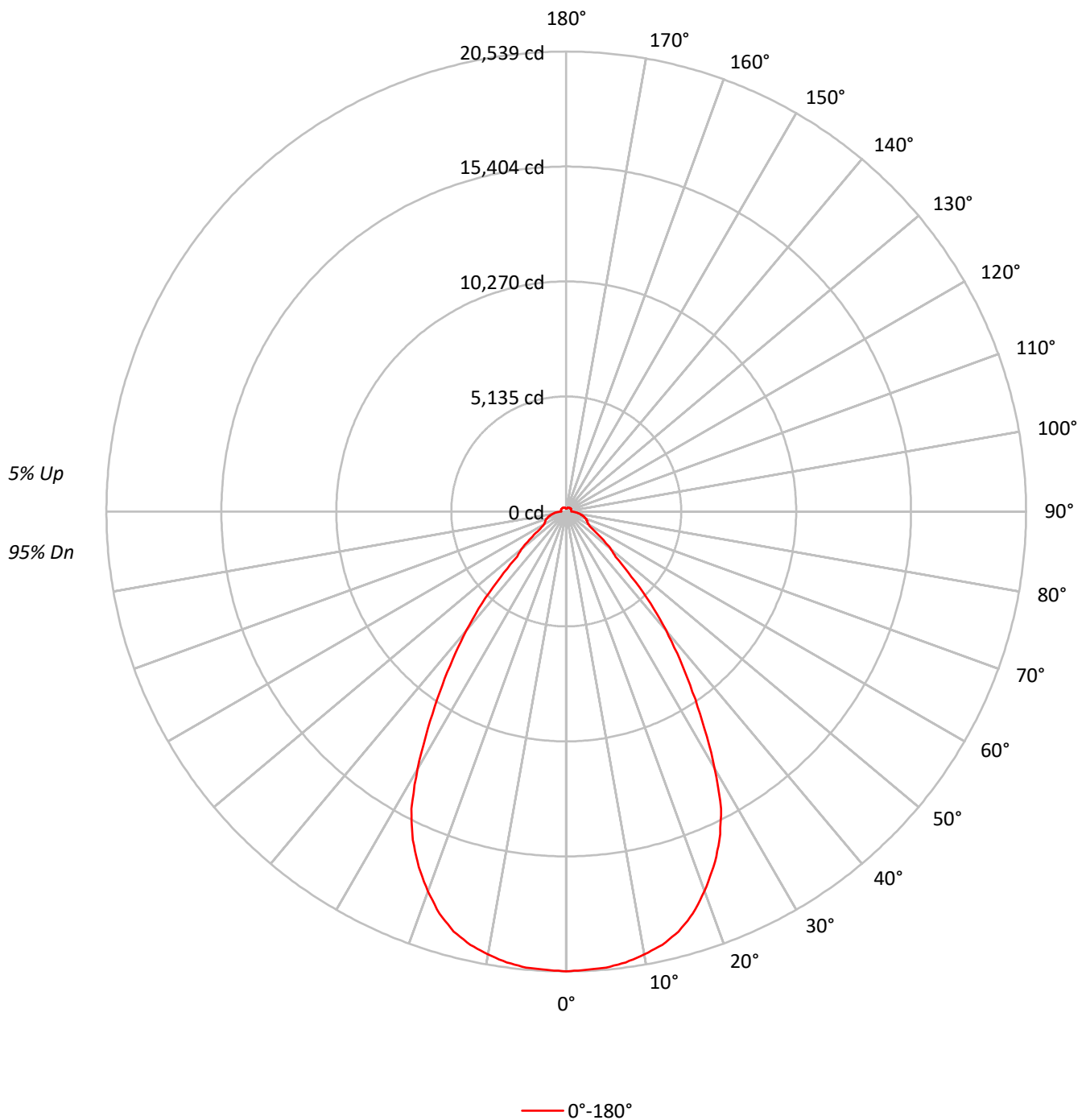
Lumens per Lamp: N/A
Luminaire Lumens: 29423.4 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1221476

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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°	118437
5°	112592
10°	106626
15°	100215
20°	91308
25°	80997
30°	66091
35°	49102
40°	34995
45°	21228
50°	13534
55°	8558
60°	6514
65°	6286
70°	5981
75°	5457
80°	4701
85°	3644

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 21228 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1940.4	6.6
10°-20°	5437.2	18.5
20°-30°	7348.0	25.0
30°-40°	6166.7	21.0
40°-50°	3324.8	11.3
50°-60°	1506.7	5.1
60°-70°	1024.8	3.5
70°-80°	819.5	2.8
80°-90°	458.2	1.6
90°-100°	252.3	0.9
100°-110°	254.1	0.9
110°-120°	238.6	0.8
120°-130°	208.7	0.7
130°-140°	170.9	0.6
140°-150°	129.7	0.4
150°-160°	86.3	0.3
160°-170°	43.8	0.1
170°-180°	12.9	0.0
0°-30°	14725.5	50.0
0°-40°	20892.2	71.0
0°-60°	25723.7	87.4
0°-90°	28026.2	95.3
90°-120°	745.0	2.5
90°-150°	1254.2	4.3
90°-180°	1397.0	4.7
0°-180°	29423.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20539	
5°	20447	###
15°	19419	5437
25°	16203	7348
35°	9833	6167
45°	4126	3325
55°	1562	1507
65°	1039	1025
75°	780	820
85°	423	384
90°	224	137
95°	232	190
105°	241	254
115°	241	239
125°	232	209
135°	220	171
145°	206	130
155°	187	86
165°	153	44
175°	135	13
180°	133	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20539.4
2.5°	20487.6
5°	20447.0
7.5°	20315.1
10°	20088.7
12.5°	19821.6
15°	19418.6
17.5°	18826.7
20°	18048.0
22.5°	17195.2
25°	16203.3
27.5°	14979.9
30°	13278.4
32.5°	11499.7
35°	9832.6
37.5°	8324.0
40°	6931.1
42.5°	5573.7
45°	4126.0
47.5°	2983.8
50°	2560.4
52.5°	2091.4
55°	1562.5
57.5°	1273.1
60°	1137.1
62.5°	1078.2
65°	1038.6
67.5°	986.8
70°	924.9
72.5°	856.9
75°	779.7
77.5°	698.5
80°	611.2
82.5°	520.8
85°	423.4
87.5°	319.8
90°	224.4
92.5°	228.4
95°	231.5
97.5°	234.5
100°	236.6
102.5°	239.6
105°	240.6
107.5°	241.6
110°	241.6

TEST NUMBER: P1221476

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	241.6
115°	240.6
117.5°	239.6
120°	237.6
122.5°	235.5
125°	232.5
127.5°	229.4
130°	227.4
132.5°	223.4
135°	220.3
137.5°	217.3
140°	214.2
142.5°	210.2
145°	206.1
147.5°	202.0
150°	198.0
152.5°	192.9
155°	186.8
157.5°	178.7
160°	169.5
162.5°	161.4
165°	153.3
167.5°	144.2
170°	136.0
172.5°	134.0
175°	135.0
177.5°	134.0
180°	133.0

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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	14.18	15.35	14.63	15.77	16.21	14.18	15.35	14.63	15.77	16.21
	3H	16.19	17.24	16.66	17.67	18.15	16.19	17.24	16.66	17.67	18.15
	4H	17.06	18.04	17.55	18.48	18.99	17.06	18.04	17.55	18.48	18.99
	6H	17.78	18.68	18.28	19.14	19.65	17.78	18.68	18.28	19.14	19.65
	8H	18.05	18.90	18.57	19.39	19.91	18.05	18.90	18.57	19.39	19.91
	12H	18.27	19.08	18.78	19.56	20.10	18.27	19.08	18.78	19.56	20.10
4H	2H	14.70	15.68	15.19	16.13	16.63	14.70	15.68	15.19	16.13	16.63
	3H	16.94	17.75	17.44	18.25	18.77	16.94	17.75	17.44	18.25	18.77
	4H	17.94	18.67	18.46	19.18	19.74	17.94	18.67	18.46	19.18	19.74
	6H	18.80	19.43	19.35	19.97	20.55	18.80	19.43	19.35	19.97	20.55
	8H	19.14	19.73	19.69	20.26	20.84	19.14	19.73	19.69	20.26	20.84
	12H	19.41	19.93	19.98	20.50	21.09	19.41	19.93	19.98	20.50	21.09
8H	4H	18.24	18.83	18.79	19.37	19.95	18.24	18.83	18.79	19.37	19.95
	6H	19.25	19.73	19.83	20.31	20.90	19.25	19.73	19.83	20.31	20.90
	8H	19.68	20.11	20.27	20.71	21.31	19.68	20.11	20.27	20.71	21.31
	12H	20.06	20.44	20.65	21.02	21.70	20.06	20.44	20.65	21.02	21.70
12H	4H	18.27	18.79	18.83	19.36	19.94	18.27	18.79	18.83	19.36	19.94
	6H	19.31	19.75	19.91	20.34	20.94	19.31	19.75	19.91	20.34	20.94
	8H	19.80	20.19	20.40	20.76	21.44	19.80	20.19	20.40	20.76	21.44