

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: P1221458

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221458
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_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

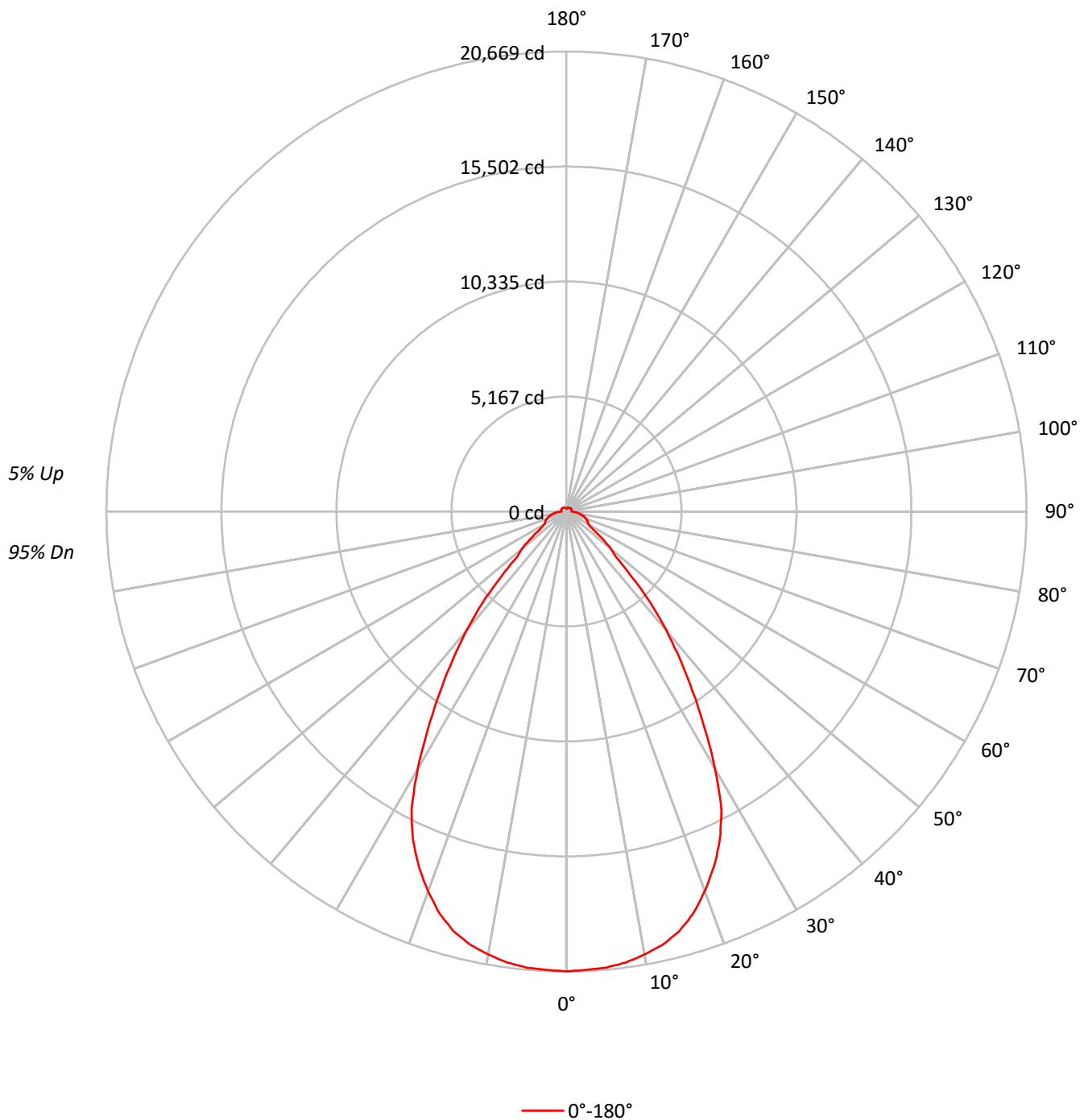
Lumens per Lamp: N/A
Luminaire Lumens: 29609.4 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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: P1221458

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L32_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221458

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L32_Narrow_120V)

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°	119186
5°	113304
10°	107300
15°	100849
20°	91886
25°	81510
30°	66509
35°	49413
40°	35216
45°	21363
50°	13619
55°	8612
60°	6555
65°	6325
70°	6018
75°	5491
80°	4730
85°	3667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 21363 cd/sqm

TEST NUMBER: P1221458

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L32_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1952.6	6.6
10°-20°	5471.6	18.5
20°-30°	7394.4	25.0
30°-40°	6205.7	21.0
40°-50°	3345.8	11.3
50°-60°	1516.3	5.1
60°-70°	1031.2	3.5
70°-80°	824.6	2.8
80°-90°	461.1	1.6
90°-100°	253.8	0.9
100°-110°	255.7	0.9
110°-120°	240.1	0.8
120°-130°	210.0	0.7
130°-140°	171.9	0.6
140°-150°	130.5	0.4
150°-160°	86.8	0.3
160°-170°	44.1	0.1
170°-180°	12.9	0.0
0°-30°	14818.6	50.0
0°-40°	21024.4	71.0
0°-60°	25886.4	87.4
0°-90°	28203.4	95.3
90°-120°	749.7	2.5
90°-150°	1262.1	4.3
90°-180°	1406.0	4.7
0°-180°	29609.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20669	
5°	20576	###
15°	19541	5472
25°	16306	7394
35°	9895	6206
45°	4152	3346
55°	1572	1516
65°	1045	1031
75°	785	825
85°	426	386
90°	226	137
95°	233	191
105°	242	256
115°	242	240
125°	234	210
135°	222	172
145°	207	130
155°	188	87
165°	154	44
175°	136	13
180°	134	

TEST NUMBER: P1221458

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L32_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	20669.3
2.5°	20617.2
5°	20576.4
7.5°	20443.5
10°	20215.7
12.5°	19947.0
15°	19541.4
17.5°	18945.8
20°	18162.2
22.5°	17304.0
25°	16305.8
27.5°	15074.7
30°	13362.4
32.5°	11572.4
35°	9894.8
37.5°	8376.6
40°	6974.9
42.5°	5608.9
45°	4152.1
47.5°	3002.7
50°	2576.6
52.5°	2104.6
55°	1572.3
57.5°	1281.2
60°	1144.3
62.5°	1085.0
65°	1045.2
67.5°	993.1
70°	930.7
72.5°	862.3
75°	784.6
77.5°	702.9
80°	615.0
82.5°	524.1
85°	426.0
87.5°	321.8
90°	225.8
92.5°	229.9
95°	232.9
97.5°	236.0
100°	238.0
102.5°	241.1
105°	242.1
107.5°	243.2
110°	243.2

TEST NUMBER: P1221458

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L32_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	243.2
115°	242.1
117.5°	241.1
120°	239.1
122.5°	237.0
125°	234.0
127.5°	230.9
130°	228.9
132.5°	224.8
135°	221.7
137.5°	218.6
140°	215.6
142.5°	211.5
145°	207.4
147.5°	203.3
150°	199.2
152.5°	194.1
155°	188.0
157.5°	179.8
160°	170.6
162.5°	162.4
165°	154.3
167.5°	145.1
170°	136.9
172.5°	134.9
175°	135.9
177.5°	134.9
180°	133.8

TEST NUMBER: P1221458

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L32_Narrow_120V)

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	14.21	15.38	14.66	15.79	16.23	14.21	15.38	14.66	15.79	16.23
	3H	16.22	17.26	16.68	17.69	18.17	16.22	17.26	16.68	17.69	18.17
	4H	17.08	18.06	17.57	18.51	19.01	17.08	18.06	17.57	18.51	19.01
	6H	17.80	18.70	18.30	19.17	19.68	17.80	18.70	18.30	19.17	19.68
	8H	18.08	18.93	18.59	19.41	19.93	18.08	18.93	18.59	19.41	19.93
	12H	18.29	19.10	18.80	19.58	20.12	18.29	19.10	18.80	19.58	20.12
4H	2H	14.73	15.70	15.21	16.15	16.65	14.73	15.70	15.21	16.15	16.65
	3H	16.96	17.77	17.46	18.27	18.79	16.96	17.77	17.46	18.27	18.79
	4H	17.96	18.69	18.48	19.20	19.76	17.96	18.69	18.48	19.20	19.76
	6H	18.82	19.46	19.37	19.99	20.57	18.82	19.46	19.37	19.99	20.57
	8H	19.16	19.75	19.71	20.28	20.86	19.16	19.75	19.71	20.28	20.86
	12H	19.43	19.96	20.00	20.52	21.11	19.43	19.96	20.00	20.52	21.11
8H	4H	18.26	18.85	18.81	19.39	19.97	18.26	18.85	18.81	19.39	19.97
	6H	19.27	19.75	19.85	20.33	20.92	19.27	19.75	19.85	20.33	20.92
	8H	19.70	20.13	20.30	20.73	21.33	19.70	20.13	20.30	20.73	21.33
	12H	20.08	20.46	20.67	21.04	21.72	20.08	20.46	20.67	21.04	21.72
12H	4H	18.29	18.81	18.86	19.38	19.96	18.29	18.81	18.86	19.38	19.96
	6H	19.33	19.77	19.93	20.36	20.97	19.33	19.77	19.93	20.36	20.97
	8H	19.83	20.21	20.42	20.79	21.46	19.83	20.21	20.42	20.79	21.46