

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: P1221396

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221396
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

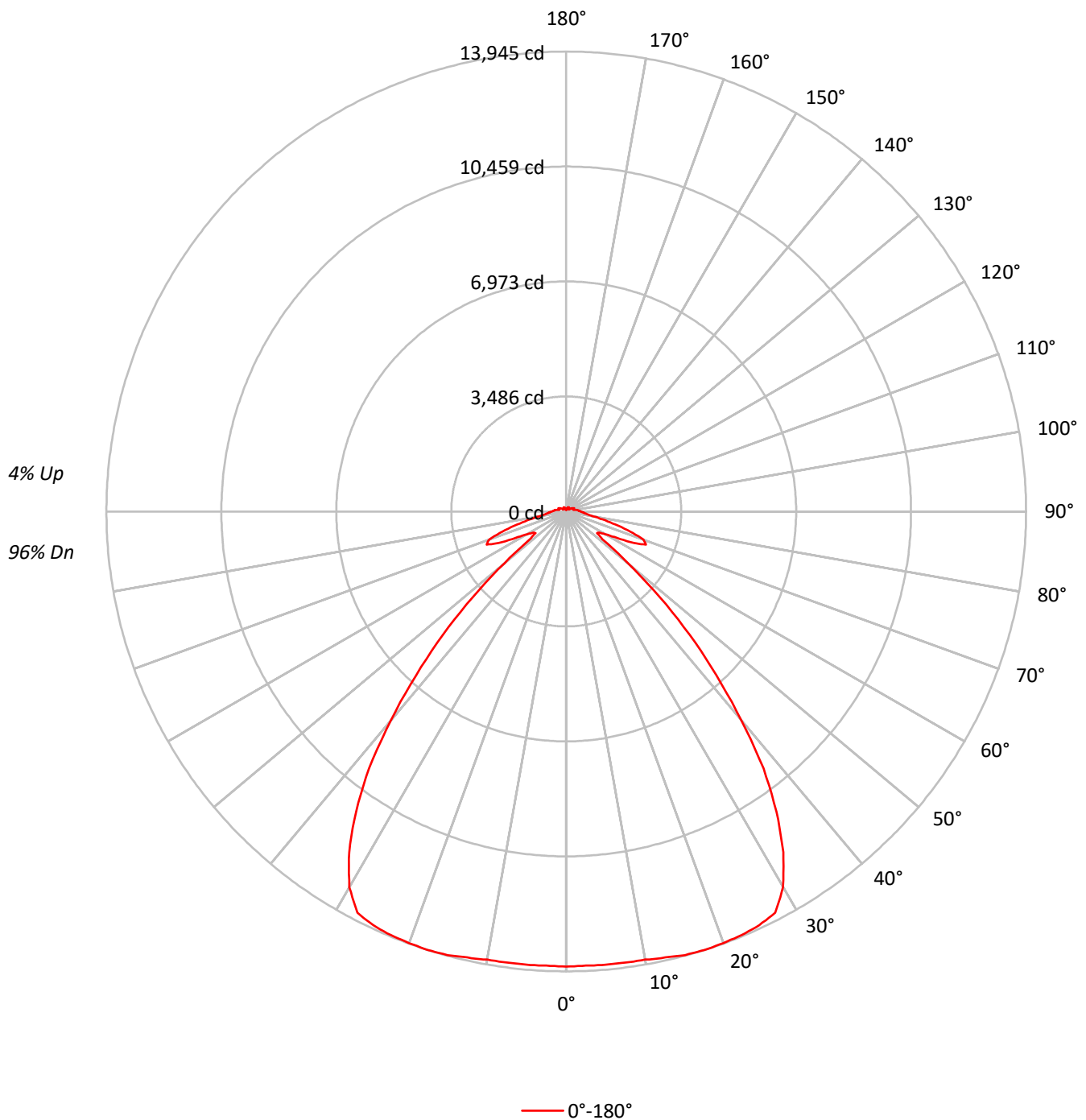
Lumens per Lamp: N/A
Luminaire Lumens: 29435.0 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.21
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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: P1221396

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L32_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221396

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L32_Wide_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		109	109	109		103	103	103		98	98	98
1	109	105	101	97		106	102	99	95		97	94	92		93	90	88		88	87	85
2	101	93	87	82		98	91	86	81		87	83	79		83	80	76		80	77	74
3	93	84	77	71		91	82	76	70		79	73	69		76	71	67		73	69	65
4	87	76	68	63		84	75	67	62		72	66	61		69	64	59		66	62	58
5	81	69	61	56		78	68	61	55		66	59	54		63	58	53		61	56	52
6	75	63	56	50		73	62	55	50		60	54	49		58	52	48		56	51	47
7	70	58	51	45		69	57	50	45		56	49	44		54	48	44		52	47	43
8	66	54	46	41		64	53	46	41		51	45	40		50	44	40		49	43	39
9	62	50	43	37		61	49	42	37		48	41	37		46	41	37		45	40	36
10	58	46	39	34		57	46	39	34		45	38	34		43	38	34		42	37	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79580
5°	75980
10°	73252
15°	71858
20°	70457
25°	69197
30°	65476
35°	55494
40°	41751
45°	27227
50°	12900
55°	6212
60°	7890
65°	13717
70°	16070
75°	10776
80°	6348
85°	4705

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 27227 cd/sqm

TEST NUMBER: P1221396

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L32_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1316.9	4.5
10°-20°	3941.4	13.4
20°-30°	6357.3	21.6
30°-40°	6835.6	23.2
40°-50°	4049.5	13.8
50°-60°	1253.8	4.3
60°-70°	2128.4	7.2
70°-80°	1675.3	5.7
80°-90°	629.0	2.1
90°-100°	396.6	1.3
100°-110°	246.5	0.8
110°-120°	233.6	0.8
120°-130°	113.1	0.4
130°-140°	78.5	0.3
140°-150°	87.3	0.3
150°-160°	60.8	0.2
160°-170°	25.9	0.1
170°-180°	5.4	0.0
0°-30°	11615.7	39.5
0°-40°	18451.3	62.7
0°-60°	23754.6	80.7
0°-90°	28187.2	95.8
90°-120°	876.7	3.0
90°-150°	1155.6	3.9
90°-180°	1248.0	4.2
0°-180°	29435.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13801	
5°	13798	###
15°	13924	3941
25°	13843	6357
35°	11112	6836
45°	5292	4049
55°	1134	1254
65°	2267	2128
75°	1540	1675
85°	547	502
90°	434	241
95°	363	283
105°	209	247
115°	249	234
125°	119	113
135°	98	78
145°	142	87
155°	133	61
165°	88	26
175°	54	5
180°	53	

TEST NUMBER: P1221396

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L32_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	13800.8
2.5°	13783.5
5°	13798.1
7.5°	13796.3
10°	13800.8
12.5°	13855.5
15°	13923.8
17.5°	13944.8
20°	13926.6
22.5°	13904.7
25°	13842.7
27.5°	13721.6
30°	13154.9
32.5°	12252.1
35°	11112.5
37.5°	9827.9
40°	8269.2
42.5°	6740.5
45°	5292.0
47.5°	3845.4
50°	2440.6
52.5°	1377.4
55°	1134.2
57.5°	1199.8
60°	1377.4
62.5°	1725.4
65°	2266.6
67.5°	2618.2
70°	2485.2
72.5°	2041.6
75°	1539.6
77.5°	1123.3
80°	825.4
82.5°	636.8
85°	546.6
87.5°	494.7
90°	433.6
92.5°	395.4
95°	362.6
97.5°	332.5
100°	292.4
102.5°	242.3
105°	208.6
107.5°	212.3
110°	244.1

TEST NUMBER: P1221396

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L32_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	262.4
115°	248.7
117.5°	215.9
120°	180.4
122.5°	146.7
125°	119.3
127.5°	100.2
130°	88.4
132.5°	87.5
135°	97.5
137.5°	113.9
140°	129.4
142.5°	139.4
145°	142.1
147.5°	141.2
150°	138.5
152.5°	136.7
155°	133.0
157.5°	126.6
160°	114.8
162.5°	102.9
165°	88.4
167.5°	74.7
170°	62.9
172.5°	56.5
175°	53.7
177.5°	52.8
180°	52.8

TEST NUMBER: P1221396

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L32_Wide_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	13.77	15.07	14.21	15.48	15.90	13.77	15.07	14.21	15.48	15.90
	3H	20.71	21.89	21.17	22.31	22.78	20.71	21.89	21.17	22.31	22.78
	4H	21.72	22.83	22.20	23.26	23.75	21.72	22.83	22.20	23.26	23.75
	6H	22.13	23.16	22.62	23.61	24.11	22.13	23.16	22.62	23.61	24.11
	8H	22.24	23.21	22.73	23.68	24.19	22.24	23.21	22.73	23.68	24.19
	12H	22.32	23.25	22.82	23.71	24.25	22.32	23.25	22.82	23.71	24.25
4H	2H	16.31	17.42	16.79	17.86	18.34	16.31	17.42	16.79	17.86	18.34
	3H	21.90	22.83	22.38	23.31	23.82	21.90	22.83	22.38	23.31	23.82
	4H	22.88	23.72	23.39	24.22	24.76	22.88	23.72	23.39	24.22	24.76
	6H	23.34	24.07	23.87	24.59	25.15	23.34	24.07	23.87	24.59	25.15
	8H	23.46	24.14	23.99	24.67	25.23	23.46	24.14	23.99	24.67	25.23
	12H	23.56	24.18	24.12	24.73	25.30	23.56	24.18	24.12	24.73	25.30
8H	4H	23.16	23.84	23.69	24.37	24.93	23.16	23.84	23.69	24.37	24.93
	6H	23.67	24.24	24.24	24.81	25.39	23.67	24.24	24.24	24.81	25.39
	8H	23.84	24.35	24.43	24.93	25.52	23.84	24.35	24.43	24.93	25.52
	12H	24.02	24.46	24.60	25.03	25.69	24.02	24.46	24.60	25.03	25.69
12H	4H	23.15	23.76	23.70	24.32	24.89	23.15	23.76	23.70	24.32	24.89
	6H	23.68	24.19	24.27	24.77	25.36	23.68	24.19	24.27	24.77	25.36
	8H	23.89	24.34	24.47	24.91	25.57	23.89	24.34	24.47	24.91	25.57