

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: P1221369

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (4000K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221369
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (4000K_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

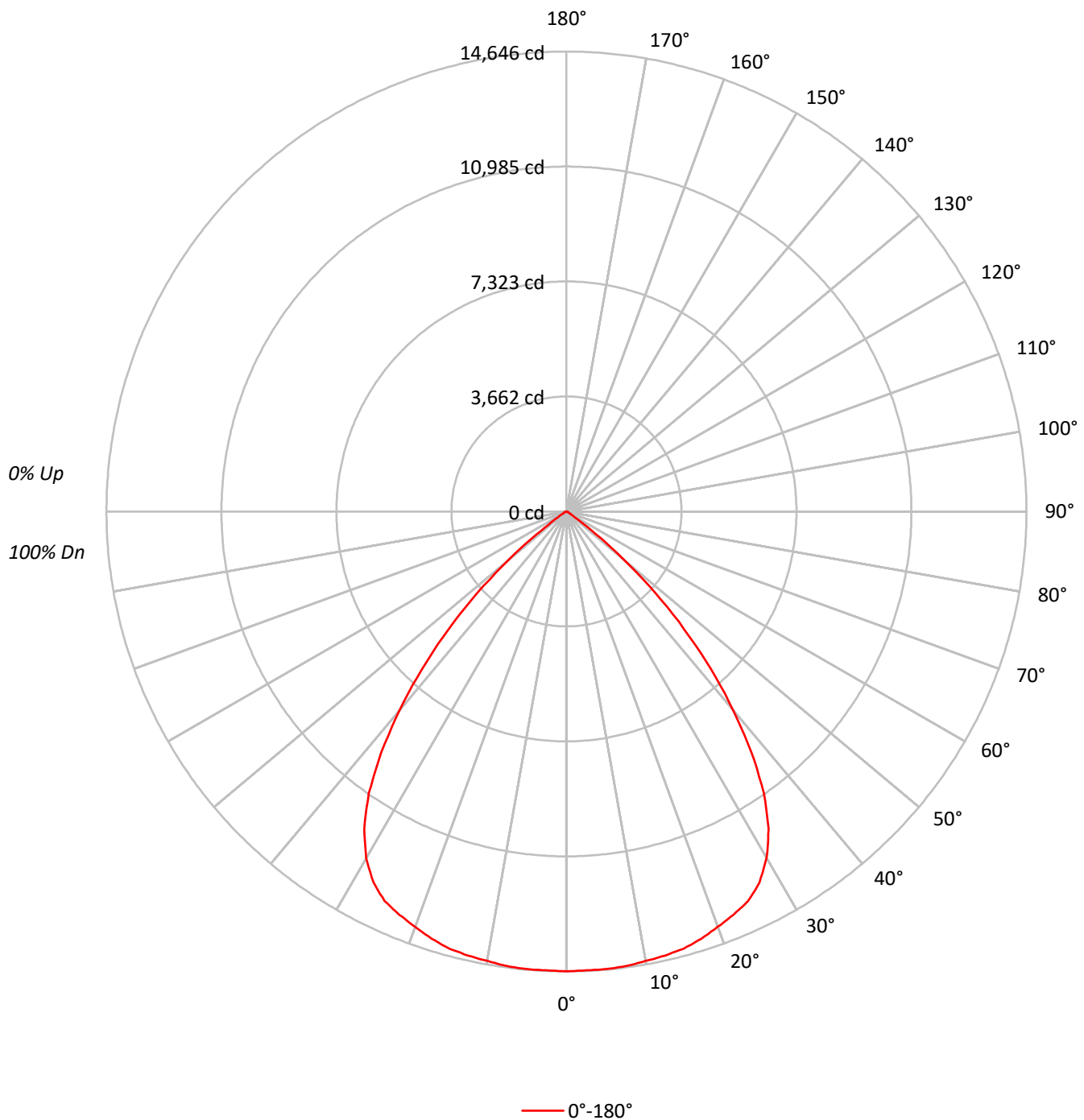
Lumens per Lamp: N/A
Luminaire Lumens: 23276.5 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.19
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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: P1221369

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (4000K_L32_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221369

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (4000K_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	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	104		110	107	105	103		103	101	99		100	98	96		96	95	94
2	106	100	96	92		104	99	95	91		95	92	89		92	90	87		90	87	85
3	100	92	86	82		97	91	85	81		88	84	80		86	82	79		83	80	77
4	93	85	78	73		91	83	78	73		81	76	72		79	75	71		77	73	70
5	88	78	71	66		86	77	71	66		75	70	65		73	68	65		72	67	64
6	82	72	65	60		81	71	65	60		69	64	59		68	63	59		67	62	58
7	77	66	60	55		76	66	59	54		64	58	54		63	58	54		62	57	54
8	73	62	55	50		71	61	54	50		60	54	50		59	53	49		58	53	49
9	68	57	50	46		67	57	50	46		56	50	46		55	49	45		54	49	45
10	64	53	47	42		63	53	47	42		52	46	42		51	46	42		50	45	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84451
5°	80562
10°	77155
15°	74375
20°	71246
25°	68435
30°	63427
35°	54755
40°	41659
45°	27271
50°	12631
55°	2283
60°	550
65°	321
70°	304
75°	286
80°	244
85°	150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 27271 cd/sqm

TEST NUMBER: P1221369

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (4000K_L32_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1393.6	6.0
10°-20°	4066.4	17.5
20°-30°	6268.3	26.9
30°-40°	6716.8	28.9
40°-50°	4057.5	17.4
50°-60°	653.8	2.8
60°-70°	58.8	0.3
70°-80°	42.5	0.2
80°-90°	18.8	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	11728.3	50.4
0°-40°	18445.1	79.2
0°-60°	23156.4	99.5
0°-90°	23276.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23276.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14646	
5°	14630	###
15°	14412	4066
25°	13690	6268
35°	10964	6717
45°	5300	4058
55°	417	654
65°	53	59
75°	41	43
85°	17	19
90°	0	

TEST NUMBER: P1221369

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (4000K_L32_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	14645.6
2.5°	14626.2
5°	14630.3
7.5°	14601.6
10°	14536.3
12.5°	14484.2
15°	14411.6
17.5°	14266.5
20°	14082.6
22.5°	13898.7
25°	13690.3
27.5°	13316.4
30°	12743.2
32.5°	11981.1
35°	10964.5
37.5°	9679.3
40°	8251.0
42.5°	6815.5
45°	5300.4
47.5°	3842.5
50°	2389.7
52.5°	1174.9
55°	416.8
57.5°	164.5
60°	96.0
62.5°	64.4
65°	53.1
67.5°	49.0
70°	47.0
72.5°	43.9
75°	40.9
77.5°	36.8
80°	31.7
82.5°	24.5
85°	17.4
87.5°	11.2
90°	0.0

TEST NUMBER: P1221369

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (4000K_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	0.94	2.09	1.31	2.41	2.72	0.94	2.09	1.31	2.41	2.72
	3H	1.23	2.24	1.61	2.57	2.93	1.23	2.24	1.61	2.57	2.93
	4H	1.43	2.37	1.84	2.72	3.11	1.43	2.37	1.84	2.72	3.11
	6H	1.64	2.49	2.06	2.87	3.26	1.64	2.49	2.06	2.87	3.26
	8H	1.70	2.51	2.14	2.90	3.31	1.70	2.51	2.14	2.90	3.31
	12H	1.73	2.50	2.16	2.88	3.31	1.73	2.50	2.16	2.88	3.31
4H	2H	0.83	1.77	1.24	2.12	2.51	0.83	1.77	1.24	2.12	2.51
	3H	1.28	2.03	1.69	2.43	2.84	1.28	2.03	1.69	2.43	2.84
	4H	1.59	2.26	2.03	2.68	3.13	1.59	2.26	2.03	2.68	3.13
	6H	1.93	2.50	2.39	2.95	3.42	1.93	2.50	2.39	2.95	3.42
	8H	2.03	2.56	2.50	3.01	3.49	2.03	2.56	2.50	3.01	3.49
	12H	2.09	2.56	2.58	3.05	3.52	2.09	2.56	2.58	3.05	3.52
8H	4H	1.62	2.16	2.10	2.60	3.08	1.62	2.16	2.10	2.60	3.08
	6H	2.05	2.48	2.55	2.98	3.46	2.05	2.48	2.55	2.98	3.46
	8H	2.20	2.59	2.73	3.11	3.61	2.20	2.59	2.73	3.11	3.61
	12H	2.33	2.67	2.84	3.17	3.74	2.33	2.67	2.84	3.17	3.74
12H	4H	1.60	2.06	2.09	2.55	3.03	1.60	2.06	2.09	2.55	3.03
	6H	2.04	2.43	2.57	2.95	3.44	2.04	2.43	2.57	2.95	3.44
	8H	2.24	2.58	2.75	3.08	3.65	2.24	2.58	2.75	3.08	3.65