

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: P1221361

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221361
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-23)
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 (3500K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

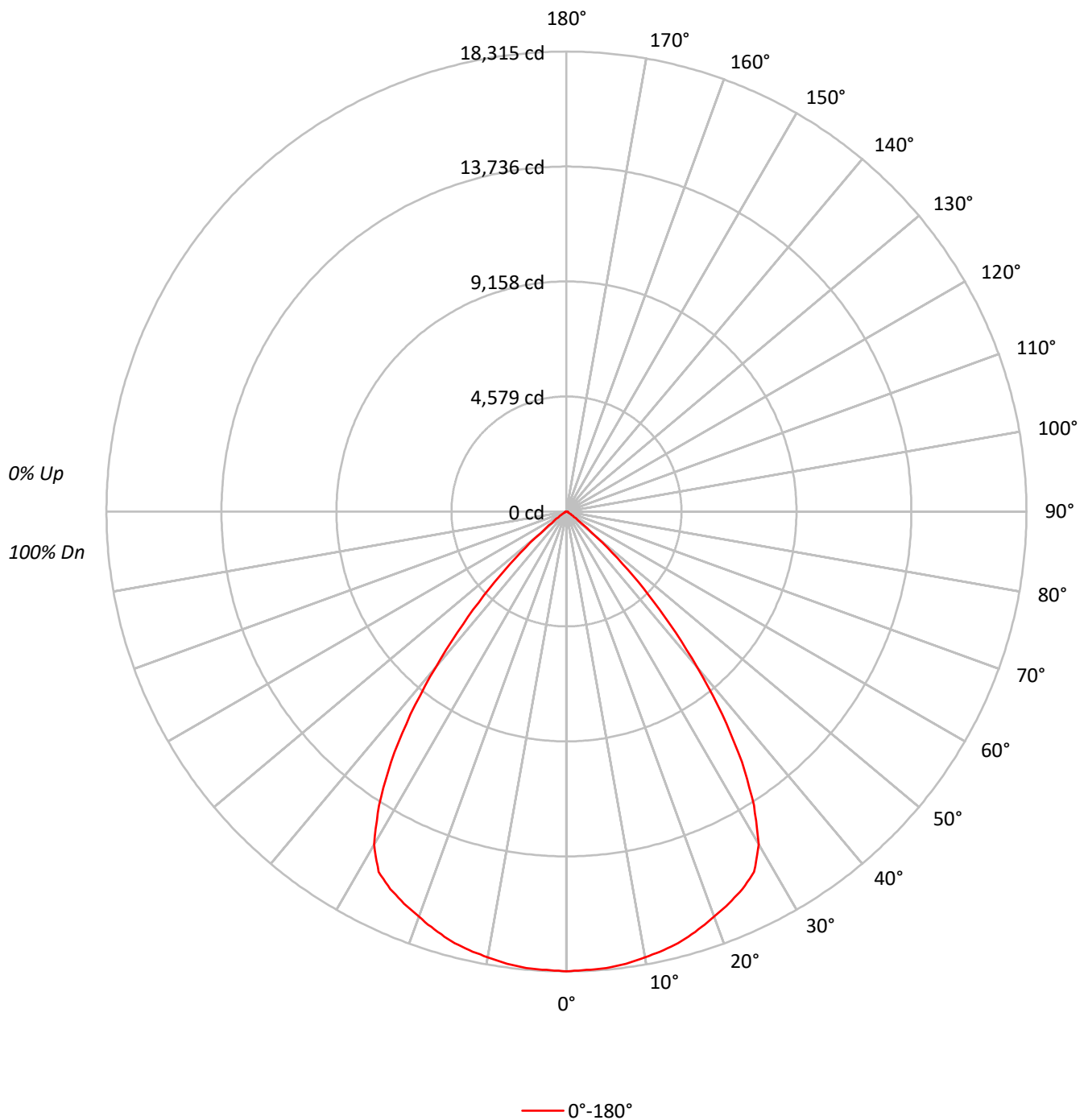
Lumens per Lamp: N/A
Luminaire Lumens: 25698.8 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 230.2
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: P1221361

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L36_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221361

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L36_Medium_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	105	110	108	105	103	104	102	100	100	98	97	96	95	94
2	107	101	97	93	104	100	95	92	96	93	90	93	90	88	90	88	86
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79
4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61
7	79	69	62	57	77	68	62	57	67	61	57	65	60	56	64	60	56
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	105609
5°	100518
10°	95695
15°	91427
20°	86891
25°	82919
30°	76214
35°	60784
40°	40930
45°	22319
50°	7042
55°	1964
60°	505
65°	330
70°	315
75°	293
80°	232
85°	139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22319 cd/sqm

TEST NUMBER: P1221361

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L36_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1735.2	6.8
10°-20°	4995.8	19.4
20°-30°	7604.9	29.6
30°-40°	7443.3	29.0
40°-50°	3394.7	13.2
50°-60°	405.7	1.6
60°-70°	58.8	0.2
70°-80°	43.2	0.2
80°-90°	17.0	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°	14336.0	55.8
0°-40°	21779.3	84.7
0°-60°	25579.8	99.5
0°-90°	25698.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25698.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18315	
5°	18254	###
15°	17716	4996
25°	16588	7605
35°	12172	7443
45°	4338	3395
55°	359	406
65°	54	59
75°	42	43
85°	16	17
90°	0	

TEST NUMBER: P1221361

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L36_Medium_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	18314.7
2.5°	18275.2
5°	18254.3
7.5°	18170.8
10°	18029.2
12.5°	17892.2
15°	17715.8
17.5°	17460.5
20°	17175.0
22.5°	16900.0
25°	16587.8
27.5°	16186.2
30°	15312.3
32.5°	13887.2
35°	12171.9
37.5°	10193.1
40°	8106.5
42.5°	6095.2
45°	4338.1
47.5°	2749.3
50°	1332.3
52.5°	607.0
55°	358.6
57.5°	175.2
60°	88.2
62.5°	62.7
65°	54.5
67.5°	52.2
70°	48.7
72.5°	45.3
75°	41.8
77.5°	37.1
80°	30.2
82.5°	23.2
85°	16.2
87.5°	8.1
90°	0.0

TEST NUMBER: P1221361

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L36_Medium_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	1.08	2.16	1.44	2.47	2.79	1.08	2.16	1.44	2.47	2.79
	3H	1.35	2.29	1.73	2.63	2.99	1.35	2.29	1.73	2.63	2.99
	4H	1.53	2.41	1.94	2.76	3.15	1.53	2.41	1.94	2.76	3.15
	6H	1.70	2.50	2.11	2.87	3.27	1.70	2.50	2.11	2.87	3.27
	8H	1.74	2.49	2.17	2.88	3.29	1.74	2.49	2.17	2.88	3.29
	12H	1.74	2.46	2.18	2.85	3.28	1.74	2.46	2.18	2.85	3.28
4H	2H	0.94	1.82	1.35	2.17	2.56	0.94	1.82	1.35	2.17	2.56
	3H	1.36	2.06	1.77	2.47	2.88	1.36	2.06	1.77	2.47	2.88
	4H	1.64	2.27	2.08	2.69	3.14	1.64	2.27	2.08	2.69	3.14
	6H	1.92	2.46	2.39	2.91	3.38	1.92	2.46	2.39	2.91	3.38
	8H	1.99	2.50	2.47	2.95	3.42	1.99	2.50	2.47	2.95	3.42
	12H	2.03	2.47	2.52	2.96	3.43	2.03	2.47	2.52	2.96	3.43
8H	4H	1.65	2.15	2.13	2.60	3.08	1.65	2.15	2.13	2.60	3.08
	6H	2.01	2.41	2.52	2.91	3.40	2.01	2.41	2.52	2.91	3.40
	8H	2.13	2.49	2.66	3.01	3.51	2.13	2.49	2.66	3.01	3.51
	12H	2.22	2.53	2.74	3.03	3.61	2.22	2.53	2.74	3.03	3.61
12H	4H	1.62	2.06	2.11	2.54	3.02	1.62	2.06	2.11	2.54	3.02
	6H	1.99	2.35	2.52	2.87	3.37	1.99	2.35	2.52	2.87	3.37
	8H	2.14	2.46	2.67	2.96	3.54	2.14	2.46	2.67	2.96	3.54

END OF REPORT