

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: P1221517

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L24_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221517
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L24_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

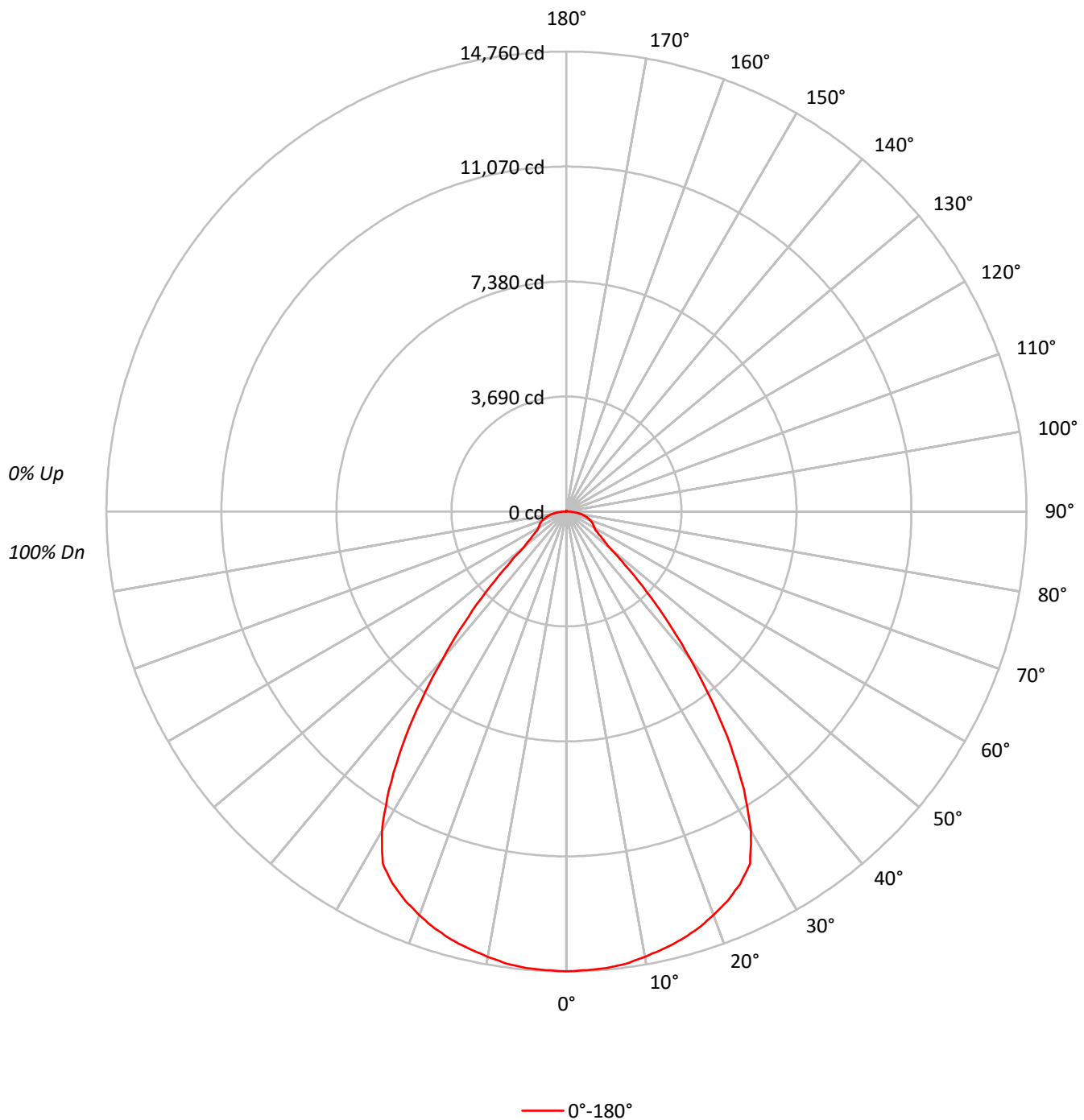
Lumens per Lamp: N/A
Luminaire Lumens: 23035.0 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 154.6
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: P1221517

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L24_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1221517

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L24_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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	102	109	106	103	100	101	99	97	97	96	94	94	92	91	89		
2	104	98	93	88	102	96	91	87	92	89	85	89	86	83	86	84	81	79		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	63	59	55	53		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85109
5°	80988
10°	77026
15°	73421
20°	69759
25°	65919
30°	58916
35°	45878
40°	31131
45°	18773
50°	9373
55°	6900
60°	5894
65°	5654
70°	5220
75°	4543
80°	3487
85°	1915

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18773 cd/sqm

TEST NUMBER: P1221517

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L24_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1397.9	6.1
10°-20°	4014.3	17.4
20°-30°	6024.0	26.2
30°-40°	5655.1	24.5
40°-50°	2859.7	12.4
50°-60°	1171.9	5.1
60°-70°	919.1	4.0
70°-80°	678.2	2.9
80°-90°	243.8	1.1
90°-100°	6.9	0.0
100°-110°	7.2	0.0
110°-120°	7.6	0.0
120°-130°	7.9	0.0
130°-140°	9.6	0.0
140°-150°	12.6	0.1
150°-160°	11.2	0.0
160°-170°	6.0	0.0
170°-180°	2.1	0.0
0°-30°	11436.2	49.6
0°-40°	17091.3	74.2
0°-60°	21122.9	91.7
0°-90°	22964.0	99.7
90°-120°	21.6	0.1
90°-150°	51.6	0.2
90°-180°	71.0	0.3
0°-180°	23035.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14760	
5°	14708	###
15°	14227	4014
25°	13187	6024
35°	9187	5655
45°	3649	2860
55°	1260	1172
65°	934	919
75°	649	678
85°	222	229
90°	7	16
95°	6	5
105°	7	7
115°	8	8
125°	8	8
135°	12	10
145°	20	13
155°	24	11
165°	21	6
175°	22	2
180°	24	

TEST NUMBER: P1221517

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L24_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	14759.6
2.5°	14733.7
5°	14707.7
7.5°	14639.2
10°	14512.0
12.5°	14380.7
15°	14226.8
17.5°	14033.5
20°	13788.5
22.5°	13514.9
25°	13187.0
27.5°	12752.1
30°	11837.0
32.5°	10602.3
35°	9187.0
37.5°	7665.5
40°	6165.7
42.5°	4839.8
45°	3648.7
47.5°	2556.3
50°	1773.3
52.5°	1487.3
55°	1259.7
57.5°	1105.8
60°	1028.9
62.5°	981.2
65°	934.3
67.5°	875.8
70°	807.2
72.5°	732.8
75°	649.1
77.5°	557.1
80°	453.4
82.5°	343.0
85°	222.5
87.5°	100.4
90°	6.7
92.5°	5.9
95°	5.9
97.5°	6.7
100°	6.7
102.5°	6.7
105°	6.7
107.5°	6.7
110°	7.5

TEST NUMBER: P1221517

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L24_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	7.5
115°	7.5
117.5°	7.5
120°	8.4
122.5°	8.4
125°	8.4
127.5°	9.2
130°	10.0
132.5°	10.9
135°	12.5
137.5°	13.4
140°	15.9
142.5°	17.6
145°	20.1
147.5°	22.6
150°	25.1
152.5°	25.1
155°	24.3
157.5°	23.4
160°	21.7
162.5°	20.9
165°	20.9
167.5°	21.7
170°	21.7
172.5°	21.7
175°	21.7
177.5°	22.6
180°	24.3

TEST NUMBER: P1221517

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L24_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	14.27	15.51	14.64	15.83	16.16	14.27	15.51	14.64	15.83	16.16
	3H	16.32	17.43	16.71	17.77	18.14	16.32	17.43	16.71	17.77	18.14
	4H	17.12	18.16	17.53	18.52	18.91	17.12	18.16	17.53	18.52	18.91
	6H	17.70	18.65	18.12	19.03	19.43	17.70	18.65	18.12	19.03	19.43
	8H	17.87	18.77	18.30	19.17	19.58	17.87	18.77	18.30	19.17	19.58
	12H	17.95	18.81	18.39	19.20	19.64	17.95	18.81	18.39	19.20	19.64
4H	2H	14.84	15.88	15.25	16.24	16.63	14.84	15.88	15.25	16.24	16.63
	3H	17.09	17.94	17.51	18.35	18.76	17.09	17.94	17.51	18.35	18.76
	4H	18.00	18.77	18.44	19.19	19.64	18.00	18.77	18.44	19.19	19.64
	6H	18.69	19.36	19.16	19.81	20.28	18.69	19.36	19.16	19.81	20.28
	8H	18.90	19.52	19.37	19.97	20.45	18.90	19.52	19.37	19.97	20.45
	12H	19.01	19.56	19.50	20.05	20.53	19.01	19.56	19.50	20.05	20.53
8H	4H	18.26	18.88	18.74	19.34	19.81	18.26	18.88	18.74	19.34	19.81
	6H	19.06	19.57	19.57	20.07	20.56	19.06	19.57	19.57	20.07	20.56
	8H	19.33	19.78	19.86	20.30	20.80	19.33	19.78	19.86	20.30	20.80
	12H	19.50	19.90	20.03	20.40	20.98	19.50	19.90	20.03	20.40	20.98
12H	4H	18.27	18.82	18.76	19.31	19.79	18.27	18.82	18.76	19.31	19.79
	6H	19.09	19.55	19.62	20.07	20.57	19.09	19.55	19.62	20.07	20.57
	8H	19.41	19.81	19.93	20.31	20.89	19.41	19.81	19.93	20.31	20.89