

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: P1221513

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221513
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-9)
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 (5000K_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

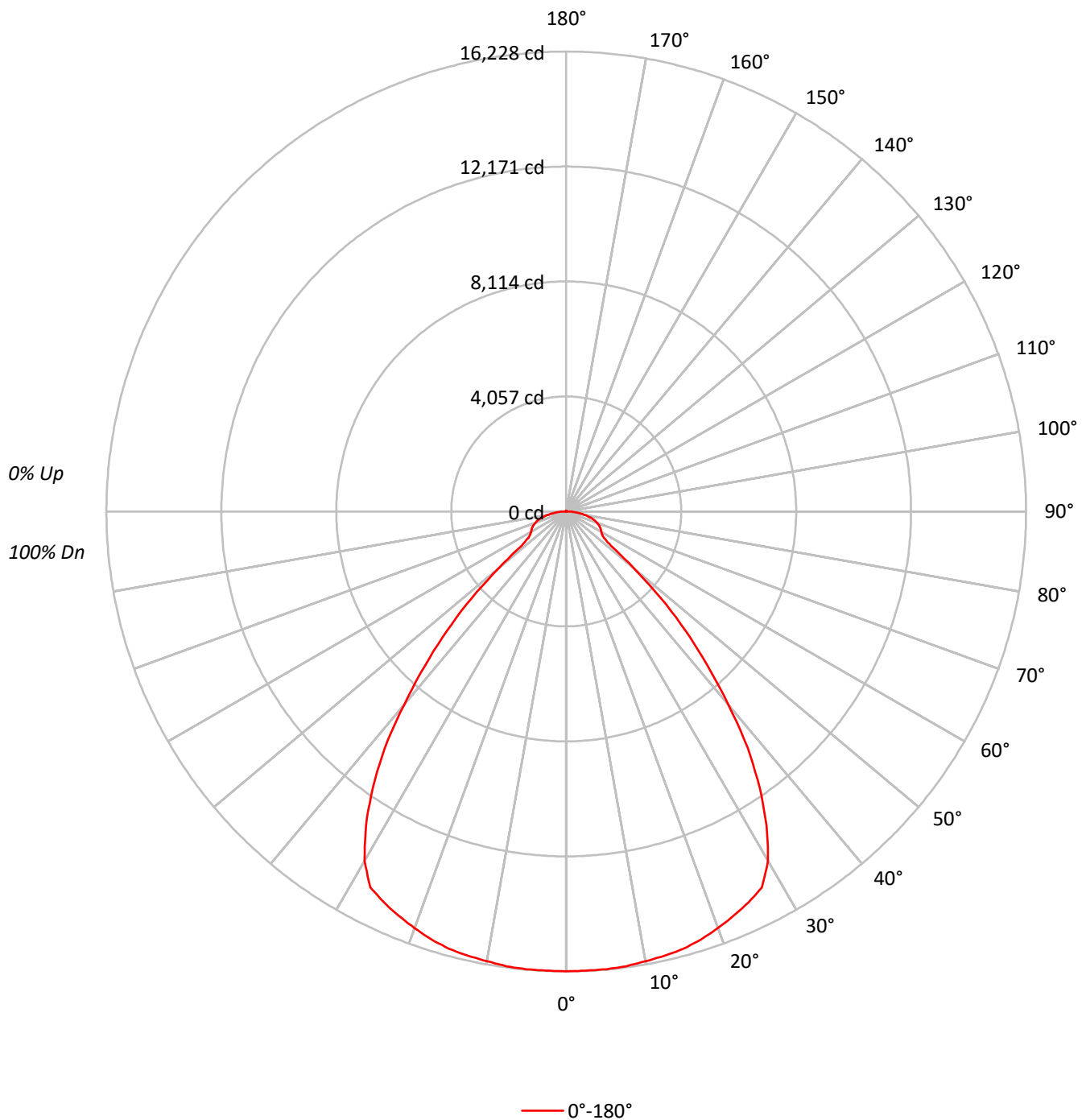
Lumens per Lamp: N/A
Luminaire Lumens: 29267.7 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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: P1221513

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L32_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1221513

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_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	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	100							
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88							
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78							
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70							
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62							
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56							
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	61	57	53	51							
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46							
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42							
9	65	53	46	41	64	53	46	41	51	45	41	50	45	41	49	44	40	39							
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37	36							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93574
5°	89284
10°	85534
15°	82445
20°	79151
25°	76094
30°	70860
35°	59441
40°	44934
45°	30615
50°	16374
55°	8882
60°	8197
65°	7971
70°	7442
75°	6461
80°	4812
85°	2623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30615 cd/sqm

TEST NUMBER: P1221513

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L32_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1544.6	5.3
10°-20°	4510.8	15.4
20°-30°	6992.2	23.9
30°-40°	7338.2	25.1
40°-50°	4555.5	15.6
50°-60°	1638.2	5.6
60°-70°	1295.3	4.4
70°-80°	959.7	3.3
80°-90°	335.6	1.1
90°-100°	10.0	0.0
100°-110°	10.7	0.0
110°-120°	11.2	0.0
120°-130°	12.0	0.0
130°-140°	13.6	0.0
140°-150°	16.2	0.1
150°-160°	14.0	0.0
160°-170°	7.3	0.0
170°-180°	2.5	0.0
0°-30°	13047.6	44.6
0°-40°	20385.8	69.7
0°-60°	26579.5	90.8
0°-90°	29170.1	99.7
90°-120°	32.0	0.1
90°-150°	73.8	0.3
90°-180°	98.0	0.3
0°-180°	29267.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16228	
5°	16214	###
15°	15975	4511
25°	15222	6992
35°	11903	7338
45°	5950	4555
55°	1622	1638
65°	1317	1295
75°	923	960
85°	305	315
90°	9	24
95°	9	8
105°	10	11
115°	11	11
125°	13	12
135°	17	14
145°	26	16
155°	31	14
165°	26	7
175°	26	2
180°	29	

TEST NUMBER: P1221513

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L32_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	16227.7
2.5°	16213.3
5°	16214.3
7.5°	16183.6
10°	16114.8
12.5°	16054.3
15°	15975.3
17.5°	15834.8
20°	15645.0
22.5°	15444.0
25°	15222.4
27.5°	14961.9
30°	14236.7
32.5°	13158.6
35°	11903.0
37.5°	10510.0
40°	8899.6
42.5°	7366.1
45°	5950.5
47.5°	4527.7
50°	3097.8
52.5°	1972.6
55°	1621.7
57.5°	1498.6
60°	1430.9
62.5°	1376.6
65°	1317.1
67.5°	1242.2
70°	1150.9
72.5°	1045.3
75°	923.2
77.5°	779.6
80°	625.7
82.5°	466.7
85°	304.7
87.5°	144.6
90°	9.2
92.5°	9.2
95°	9.2
97.5°	9.2
100°	9.2
102.5°	10.3
105°	10.3
107.5°	10.3
110°	10.3

TEST NUMBER: P1221513

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L32_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.3
115°	11.3
117.5°	11.3
120°	12.3
122.5°	12.3
125°	13.3
127.5°	14.4
130°	15.4
132.5°	16.4
135°	17.4
137.5°	18.5
140°	20.5
142.5°	23.6
145°	25.6
147.5°	28.7
150°	31.8
152.5°	31.8
155°	30.8
157.5°	28.7
160°	26.7
162.5°	25.6
165°	25.6
167.5°	25.6
170°	25.6
172.5°	25.6
175°	25.6
177.5°	27.7
180°	28.7

TEST NUMBER: P1221513

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_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	15.49	16.79	15.86	17.11	17.43	15.49	16.79	15.86	17.11	17.43
	3H	17.70	18.86	18.09	19.20	19.58	17.70	18.86	18.09	19.20	19.58
	4H	18.55	19.63	18.96	19.99	20.38	18.55	19.63	18.96	19.99	20.38
	6H	19.13	20.13	19.55	20.50	20.91	19.13	20.13	19.55	20.50	20.91
	8H	19.29	20.24	19.73	20.63	21.05	19.29	20.24	19.73	20.63	21.05
	12H	19.37	20.27	19.81	20.66	21.10	19.37	20.27	19.81	20.66	21.10
4H	2H	16.13	17.22	16.54	17.57	17.97	16.13	17.22	16.54	17.57	17.97
	3H	18.52	19.42	18.94	19.83	20.24	18.52	19.42	18.94	19.83	20.24
	4H	19.48	20.28	19.92	20.70	21.16	19.48	20.28	19.92	20.70	21.16
	6H	20.16	20.86	20.63	21.31	21.78	20.16	20.86	20.63	21.31	21.78
	8H	20.35	21.01	20.83	21.46	21.94	20.35	21.01	20.83	21.46	21.94
	12H	20.46	21.04	20.96	21.53	22.01	20.46	21.04	20.96	21.53	22.01
8H	4H	19.75	20.40	20.22	20.85	21.33	19.75	20.40	20.22	20.85	21.33
	6H	20.54	21.07	21.04	21.57	22.06	20.54	21.07	21.04	21.57	22.06
	8H	20.79	21.27	21.32	21.79	22.29	20.79	21.27	21.32	21.79	22.29
	12H	20.96	21.38	21.48	21.88	22.46	20.96	21.38	21.48	21.88	22.46
12H	4H	19.76	20.34	20.25	20.83	21.31	19.76	20.34	20.25	20.83	21.31
	6H	20.56	21.04	21.09	21.57	22.07	20.56	21.04	21.09	21.57	22.07
	8H	20.86	21.29	21.38	21.79	22.37	20.86	21.29	21.38	21.79	22.37