

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: P1221443

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221443
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

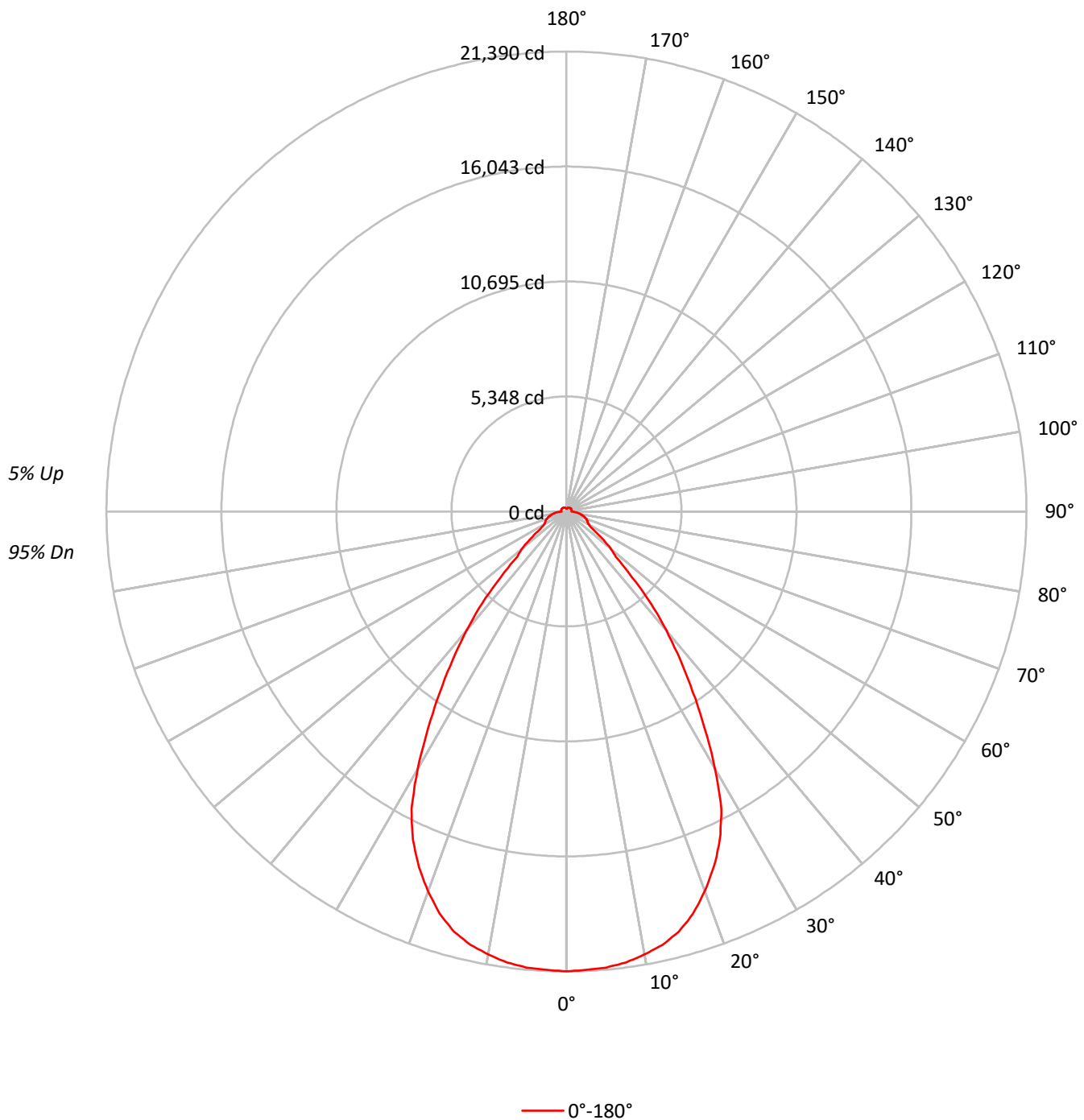
Lumens per Lamp: N/A
Luminaire Lumens: 30641.3 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 236.8
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: P1221443

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L36_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221443

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L36_Narrow_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	108	108	108	103	103	103	98	98	98
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87
2	103	97	91	87	100	94	90	86	90	86	83	86	83	81	83	80	78
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	73	70
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	67	64
5	84	74	67	62	82	73	66	61	71	65	60	68	63	59	66	62	58
6	79	69	61	56	77	68	61	56	65	60	55	63	58	54	62	57	54
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	49
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46
9	66	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42
10	63	52	45	41	62	51	45	40	50	44	40	49	43	40	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123340
5°	117253
10°	111040
15°	104363
20°	95088
25°	84350
30°	68826
35°	51135
40°	36444
45°	22107
50°	14094
55°	8912
60°	6783
65°	6546
70°	6228
75°	5683
80°	4895
85°	3795

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22107 cd/sqm

TEST NUMBER: P1221443

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2020.7	6.6
10°-20°	5662.3	18.5
20°-30°	7652.1	25.0
30°-40°	6422.0	21.0
40°-50°	3462.4	11.3
50°-60°	1569.1	5.1
60°-70°	1067.2	3.5
70°-80°	853.4	2.8
80°-90°	477.2	1.6
90°-100°	262.7	0.9
100°-110°	264.6	0.9
110°-120°	248.5	0.8
120°-130°	217.3	0.7
130°-140°	177.9	0.6
140°-150°	135.0	0.4
150°-160°	89.8	0.3
160°-170°	45.6	0.1
170°-180°	13.4	0.0
0°-30°	15335.0	50.0
0°-40°	21757.0	71.0
0°-60°	26788.5	87.4
0°-90°	29186.3	95.3
90°-120°	775.8	2.5
90°-150°	1306.1	4.3
90°-180°	1455.0	4.7
0°-180°	30641.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21390	
5°	21293	###
15°	20222	5662
25°	16874	7652
35°	10240	6422
45°	4297	3462
55°	1627	1569
65°	1082	1067
75°	812	853
85°	441	400
90°	234	142
95°	241	198
105°	251	265
115°	251	248
125°	242	217
135°	229	178
145°	215	135
155°	194	90
165°	160	46
175°	141	13
180°	138	

TEST NUMBER: P1221443

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L36_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	21389.7
2.5°	21335.7
5°	21293.4
7.5°	21156.0
10°	20920.2
12.5°	20642.2
15°	20222.4
17.5°	19606.0
20°	18795.1
22.5°	17907.0
25°	16874.0
27.5°	15600.0
30°	13828.0
32.5°	11975.7
35°	10239.7
37.5°	8668.6
40°	7218.0
42.5°	5804.4
45°	4296.8
47.5°	3107.3
50°	2666.4
52.5°	2178.0
55°	1627.1
57.5°	1325.8
60°	1184.1
62.5°	1122.8
65°	1081.6
67.5°	1027.7
70°	963.2
72.5°	892.3
75°	812.0
77.5°	727.4
80°	636.5
82.5°	542.4
85°	440.9
87.5°	333.0
90°	233.7
92.5°	237.9
95°	241.1
97.5°	244.2
100°	246.3
102.5°	249.5
105°	250.6
107.5°	251.6
110°	251.6

TEST NUMBER: P1221443

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L36_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	251.6
115°	250.6
117.5°	249.5
120°	247.4
122.5°	245.3
125°	242.1
127.5°	238.9
130°	236.8
132.5°	232.6
135°	229.4
137.5°	226.3
140°	223.1
142.5°	218.9
145°	214.6
147.5°	210.4
150°	206.2
152.5°	200.9
155°	194.5
157.5°	186.1
160°	176.6
162.5°	168.1
165°	159.6
167.5°	150.1
170°	141.7
172.5°	139.6
175°	140.6
177.5°	139.6
180°	138.5

TEST NUMBER: P1221443

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L36_Narrow_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	14.32	15.50	14.77	15.91	16.35	14.32	15.50	14.77	15.91	16.35
	3H	16.34	17.38	16.80	17.81	18.29	16.34	17.38	16.80	17.81	18.29
	4H	17.20	18.18	17.69	18.63	19.13	17.20	18.18	17.69	18.63	19.13
	6H	17.92	18.82	18.42	19.28	19.80	17.92	18.82	18.42	19.28	19.80
	8H	18.19	19.05	18.71	19.53	20.05	18.19	19.05	18.71	19.53	20.05
	12H	18.41	19.22	18.92	19.70	20.24	18.41	19.22	18.92	19.70	20.24
4H	2H	14.84	15.82	15.33	16.27	16.77	14.84	15.82	15.33	16.27	16.77
	3H	17.08	17.89	17.58	18.39	18.91	17.08	17.89	17.58	18.39	18.91
	4H	18.08	18.81	18.60	19.32	19.88	18.08	18.81	18.60	19.32	19.88
	6H	18.94	19.57	19.49	20.11	20.69	18.94	19.57	19.49	20.11	20.69
	8H	19.28	19.87	19.83	20.40	20.98	19.28	19.87	19.83	20.40	20.98
	12H	19.55	20.07	20.12	20.64	21.23	19.55	20.07	20.12	20.64	21.23
8H	4H	18.38	18.97	18.93	19.51	20.09	18.38	18.97	18.93	19.51	20.09
	6H	19.39	19.87	19.97	20.45	21.04	19.39	19.87	19.97	20.45	21.04
	8H	19.82	20.25	20.42	20.85	21.45	19.82	20.25	20.42	20.85	21.45
	12H	20.20	20.58	20.79	21.16	21.84	20.20	20.58	20.79	21.16	21.84
12H	4H	18.41	18.93	18.98	19.50	20.08	18.41	18.93	18.98	19.50	20.08
	6H	19.45	19.89	20.05	20.48	21.08	19.45	19.89	20.05	20.48	21.08
	8H	19.94	20.33	20.54	20.91	21.58	19.94	20.33	20.54	20.91	21.58