

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: P1221399

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221399
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

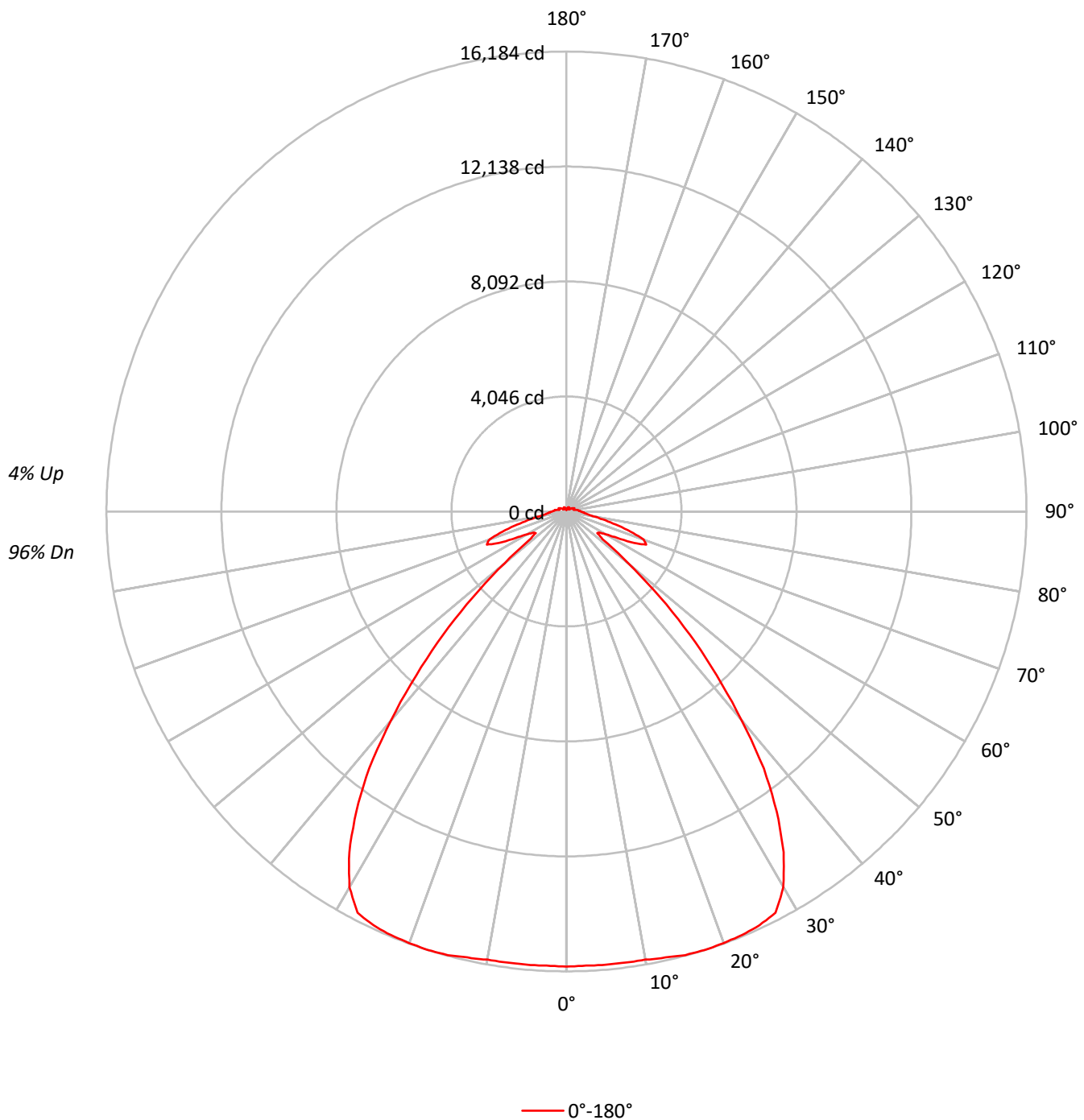
Lumens per Lamp: N/A
Luminaire Lumens: 34160.8 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.21
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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: P1221399

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L36_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1221399

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L36_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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	88	87	85	85	85	85	85	83			
2	101	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74	74	74	74	74	72			
3	93	84	77	71	91	82	76	70	79	73	69	76	71	67	73	69	65	65	65	65	65	63			
4	87	76	68	63	84	75	67	62	72	66	61	69	64	59	66	62	58	58	58	58	58	56			
5	81	69	61	56	78	68	61	55	66	59	54	63	58	53	61	56	52	52	52	52	52	50			
6	75	63	56	50	73	62	55	50	60	54	49	58	52	48	56	51	47	47	47	47	47	45			
7	70	58	51	45	69	57	50	45	56	49	44	54	48	44	52	47	43	43	43	43	43	41			
8	66	54	46	41	64	53	46	41	51	45	40	50	44	40	49	43	39	39	39	39	39	38			
9	62	50	43	37	61	49	42	37	48	41	37	46	41	37	45	40	36	36	36	36	36	34			
10	58	46	39	34	57	46	39	34	45	38	34	43	38	34	42	37	33	33	33	33	33	32			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92357
5°	88178
10°	85013
15°	83395
20°	81769
25°	80307
30°	75988
35°	64403
40°	48455
45°	31599
50°	14971
55°	7210
60°	9157
65°	15920
70°	18650
75°	12506
80°	7367
85°	5460

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31599 cd/sgm

TEST NUMBER: P1221399

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1528.4	4.5
10°-20°	4574.2	13.4
20°-30°	7378.0	21.6
30°-40°	7933.1	23.2
40°-50°	4699.6	13.8
50°-60°	1455.1	4.3
60°-70°	2470.1	7.2
70°-80°	1944.2	5.7
80°-90°	729.9	2.1
90°-100°	460.3	1.3
100°-110°	286.1	0.8
110°-120°	271.1	0.8
120°-130°	131.2	0.4
130°-140°	91.0	0.3
140°-150°	101.4	0.3
150°-160°	70.6	0.2
160°-170°	30.1	0.1
170°-180°	6.3	0.0
0°-30°	13480.6	39.5
0°-40°	21413.7	62.7
0°-60°	27568.4	80.7
0°-90°	32712.7	95.8
90°-120°	1017.5	3.0
90°-150°	1341.1	3.9
90°-180°	1448.0	4.2
0°-180°	34160.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16017	
5°	16013	###
15°	16159	4574
25°	16065	7378
35°	12897	7933
45°	6142	4700
55°	1316	1455
65°	2630	2470
75°	1787	1944
85°	634	582
90°	503	279
95°	421	328
105°	242	286
115°	289	271
125°	138	131
135°	113	91
145°	165	101
155°	154	71
165°	103	30
175°	62	6
180°	61	

TEST NUMBER: P1221399

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L36_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	16016.6
2.5°	15996.5
5°	16013.4
7.5°	16011.3
10°	16016.6
12.5°	16080.0
15°	16159.3
17.5°	16183.6
20°	16162.5
22.5°	16137.1
25°	16065.2
27.5°	15924.6
30°	15267.0
32.5°	14219.2
35°	12896.6
37.5°	11405.8
40°	9596.9
42.5°	7822.7
45°	6141.7
47.5°	4462.7
50°	2832.4
52.5°	1598.6
55°	1316.3
57.5°	1392.4
60°	1598.6
62.5°	2002.5
65°	2630.5
67.5°	3038.6
70°	2884.2
72.5°	2369.3
75°	1786.8
77.5°	1303.6
80°	957.9
82.5°	739.0
85°	634.4
87.5°	574.1
90°	503.3
92.5°	458.9
95°	420.8
97.5°	385.9
100°	339.4
102.5°	281.2
105°	242.1
107.5°	246.3
110°	283.3

TEST NUMBER: P1221399

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L36_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	304.5
115°	288.6
117.5°	250.6
120°	209.3
122.5°	170.2
125°	138.5
127.5°	116.3
130°	102.6
132.5°	101.5
135°	113.1
137.5°	132.2
140°	150.1
142.5°	161.8
145°	164.9
147.5°	163.9
150°	160.7
152.5°	158.6
155°	154.4
157.5°	147.0
160°	133.2
162.5°	119.5
165°	102.6
167.5°	86.7
170°	73.0
172.5°	65.6
175°	62.4
177.5°	61.3
180°	61.3

TEST NUMBER: P1221399

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L36_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	14.29	15.59	14.73	15.99	16.42	14.29	15.59	14.73	15.99	16.42
	3H	21.23	22.41	21.68	22.82	23.29	21.23	22.41	21.68	22.82	23.29
	4H	22.24	23.35	22.71	23.78	24.27	22.24	23.35	22.71	23.78	24.27
	6H	22.65	23.67	23.14	24.13	24.62	22.65	23.67	23.14	24.13	24.62
	8H	22.75	23.72	23.25	24.20	24.70	22.75	23.72	23.25	24.20	24.70
	12H	22.83	23.76	23.34	24.23	24.76	22.83	23.76	23.34	24.23	24.76
4H	2H	16.83	17.94	17.31	18.37	18.86	16.83	17.94	17.31	18.37	18.86
	3H	22.42	23.34	22.90	23.83	24.33	22.42	23.34	22.90	23.83	24.33
	4H	23.40	24.24	23.90	24.74	25.28	23.40	24.24	23.90	24.74	25.28
	6H	23.85	24.59	24.38	25.11	25.67	23.85	24.59	24.38	25.11	25.67
	8H	23.97	24.66	24.51	25.18	25.75	23.97	24.66	24.51	25.18	25.75
	12H	24.08	24.69	24.63	25.25	25.82	24.08	24.69	24.63	25.25	25.82
8H	4H	23.67	24.36	24.21	24.88	25.45	23.67	24.36	24.21	24.88	25.45
	6H	24.19	24.76	24.76	25.33	25.90	24.19	24.76	24.76	25.33	25.90
	8H	24.36	24.87	24.94	25.45	26.04	24.36	24.87	24.94	25.45	26.04
	12H	24.53	24.98	25.11	25.55	26.21	24.53	24.98	25.11	25.55	26.21
12H	4H	23.67	24.28	24.22	24.84	25.41	23.67	24.28	24.22	24.84	25.41
	6H	24.20	24.71	24.78	25.29	25.88	24.20	24.71	24.78	25.29	25.88
	8H	24.41	24.86	24.99	25.42	26.08	24.41	24.86	24.99	25.42	26.08

END OF REPORT