

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: P1221434

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221434
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-25)
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 (6500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

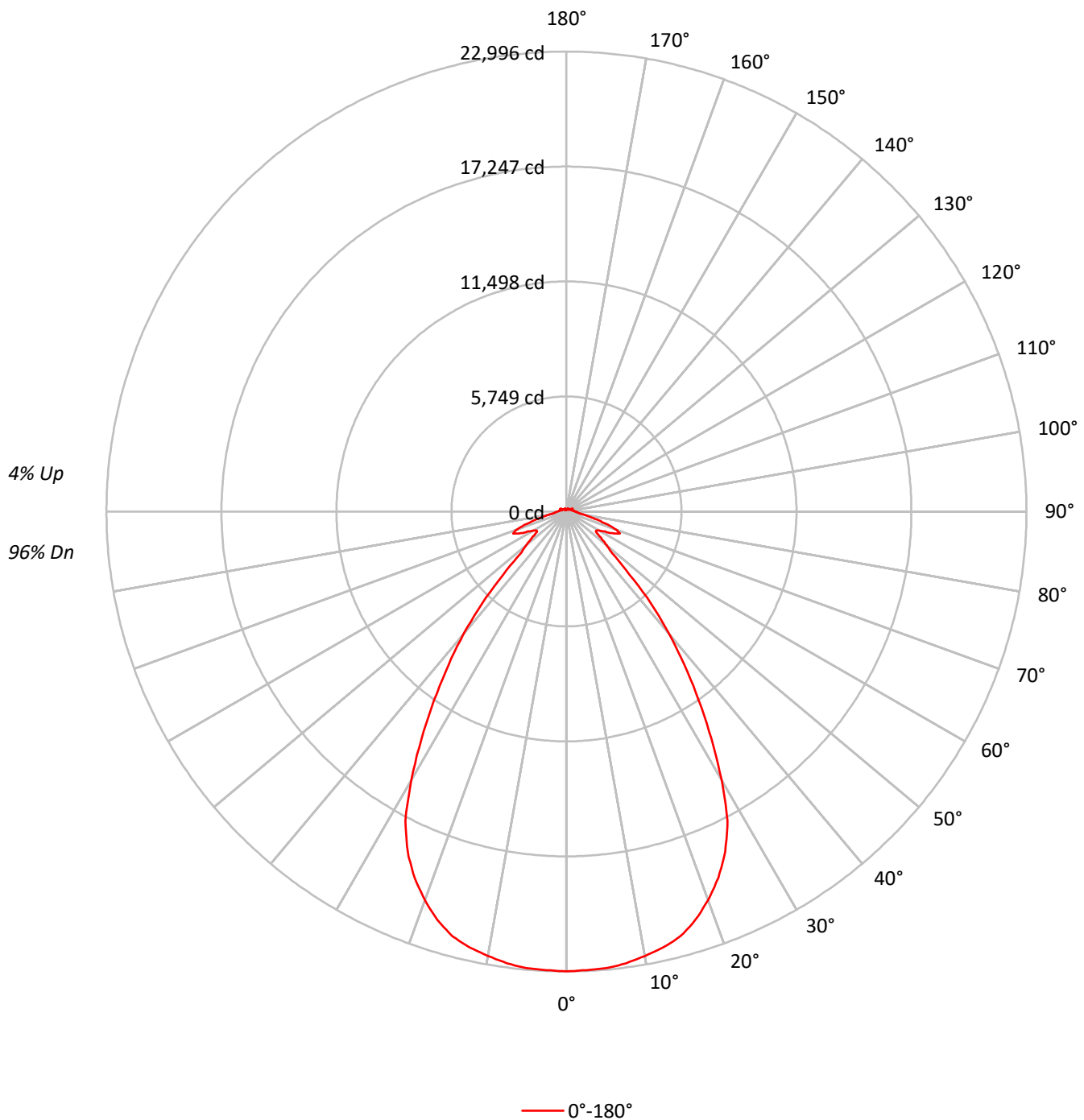
Lumens per Lamp: N/A
Luminaire Lumens: 35714.0 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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: P1221434

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L36_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221434

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_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		109	109	109		103	103	103		98	98	98
1	110	106	102	99		107	103	100	97		98	95	93		94	91	90		89	88	86
2	102	95	89	84		99	93	88	83		89	84	81		85	81	78		81	79	76
3	95	86	79	74		92	84	78	73		81	76	71		78	73	70		75	71	68
4	88	78	71	65		86	77	70	65		74	68	64		71	66	62		69	65	61
5	83	72	64	59		80	71	64	58		68	62	57		66	61	57		64	59	56
6	78	66	59	53		76	65	58	53		63	57	52		61	56	52		59	55	51
7	73	61	54	49		71	60	53	48		59	52	48		57	51	47		55	50	47
8	69	57	50	45		67	56	49	44		55	48	44		53	48	44		52	47	43
9	65	53	46	41		63	52	46	41		51	45	41		50	44	40		49	44	40
10	61	50	43	38		60	49	43	38		48	42	38		47	41	38		46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	132601
5°	126251
10°	119774
15°	113508
20°	104674
25°	93896
30°	77253
35°	57563
40°	40292
45°	22981
50°	13832
55°	9809
60°	10941
65°	15866
70°	17059
75°	10860
80°	6343
85°	4736

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22981 cd/sqm

TEST NUMBER: P1221434

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2176.4	6.1
10°-20°	6166.3	17.3
20°-30°	8513.5	23.8
30°-40°	7200.5	20.2
40°-50°	3636.0	10.2
50°-60°	1787.0	5.0
60°-70°	2479.8	6.9
70°-80°	1714.2	4.8
80°-90°	629.9	1.8
90°-100°	395.1	1.1
100°-110°	277.9	0.8
110°-120°	301.8	0.8
120°-130°	142.8	0.4
130°-140°	91.5	0.3
140°-150°	96.6	0.3
150°-160°	68.8	0.2
160°-170°	29.0	0.1
170°-180°	6.8	0.0
0°-30°	16856.2	47.2
0°-40°	24056.8	67.4
0°-60°	29479.8	82.5
0°-90°	34303.7	96.1
90°-120°	974.8	2.7
90°-150°	1305.7	3.7
90°-180°	1410.0	3.9
0°-180°	35714.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22996	
5°	22928	###
15°	21994	6166
25°	18784	8514
35°	11527	7201
45°	4467	3636
55°	1791	1787
65°	2622	2480
75°	1552	1714
85°	550	503
90°	430	239
95°	360	283
105°	237	278
115°	322	302
125°	151	143
135°	114	91
145°	157	97
155°	151	69
165°	99	29
175°	70	7
180°	68	

TEST NUMBER: P1221434

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L36_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	22995.8
2.5°	22953.4
5°	22927.5
7.5°	22784.9
10°	22565.8
12.5°	22338.4
15°	21994.3
17.5°	21428.8
20°	20690.0
22.5°	19834.6
25°	18783.6
27.5°	17435.7
30°	15521.0
32.5°	13478.0
35°	11526.8
37.5°	9682.8
40°	7980.3
42.5°	6251.8
45°	4466.7
47.5°	3077.6
50°	2616.9
52.5°	2176.2
55°	1790.9
57.5°	1766.2
60°	1909.9
62.5°	2178.6
65°	2621.6
67.5°	2892.6
70°	2638.1
72.5°	2102.0
75°	1551.7
77.5°	1124.0
80°	824.8
82.5°	638.6
85°	550.2
87.5°	494.9
90°	430.1
92.5°	391.2
95°	360.5
97.5°	333.4
100°	295.7
102.5°	252.1
105°	236.8
107.5°	258.0
110°	312.2

TEST NUMBER: P1221434

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L36_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	344.0
115°	321.7
117.5°	276.9
120°	229.8
122.5°	186.2
125°	150.8
127.5°	124.9
130°	110.8
132.5°	107.2
135°	114.3
137.5°	127.3
140°	140.2
142.5°	150.8
145°	156.7
147.5°	159.1
150°	159.1
152.5°	156.7
155°	150.8
157.5°	140.2
160°	127.3
162.5°	113.1
165°	99.0
167.5°	86.0
170°	74.2
172.5°	70.7
175°	69.5
177.5°	68.3
180°	68.3

TEST NUMBER: P1221434

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_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	15.83	17.08	16.27	17.48	17.90	15.83	17.08	16.27	17.48	17.90
	3H	21.04	22.17	21.49	22.58	23.05	21.04	22.17	21.49	22.58	23.05
	4H	21.85	22.91	22.32	23.34	23.82	21.85	22.91	22.32	23.34	23.82
	6H	22.17	23.14	22.65	23.59	24.08	22.17	23.14	22.65	23.59	24.08
	8H	22.24	23.17	22.74	23.64	24.14	22.24	23.17	22.74	23.64	24.14
	12H	22.30	23.19	22.80	23.65	24.18	22.30	23.19	22.80	23.65	24.18
4H	2H	17.58	18.64	18.05	19.07	19.55	17.58	18.64	18.05	19.07	19.55
	3H	22.10	22.99	22.58	23.47	23.97	22.10	22.99	22.58	23.47	23.97
	4H	22.90	23.71	23.41	24.20	24.74	22.90	23.71	23.41	24.20	24.74
	6H	23.27	23.97	23.80	24.49	25.04	23.27	23.97	23.80	24.49	25.04
	8H	23.36	24.02	23.90	24.54	25.10	23.36	24.02	23.90	24.54	25.10
	12H	23.45	24.03	24.00	24.58	25.15	23.45	24.03	24.00	24.58	25.15
8H	4H	23.12	23.77	23.65	24.29	24.85	23.12	23.77	23.65	24.29	24.85
	6H	23.55	24.08	24.11	24.65	25.22	23.55	24.08	24.11	24.65	25.22
	8H	23.69	24.16	24.27	24.75	25.33	23.69	24.16	24.27	24.75	25.33
	12H	23.84	24.25	24.41	24.82	25.47	23.84	24.25	24.41	24.82	25.47
12H	4H	23.11	23.69	23.66	24.24	24.80	23.11	23.69	23.66	24.24	24.80
	6H	23.55	24.03	24.13	24.61	25.19	23.55	24.03	24.13	24.61	25.19
	8H	23.73	24.14	24.30	24.71	25.36	23.73	24.14	24.30	24.71	25.36