

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: P1221460

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221460
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-31)
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 (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

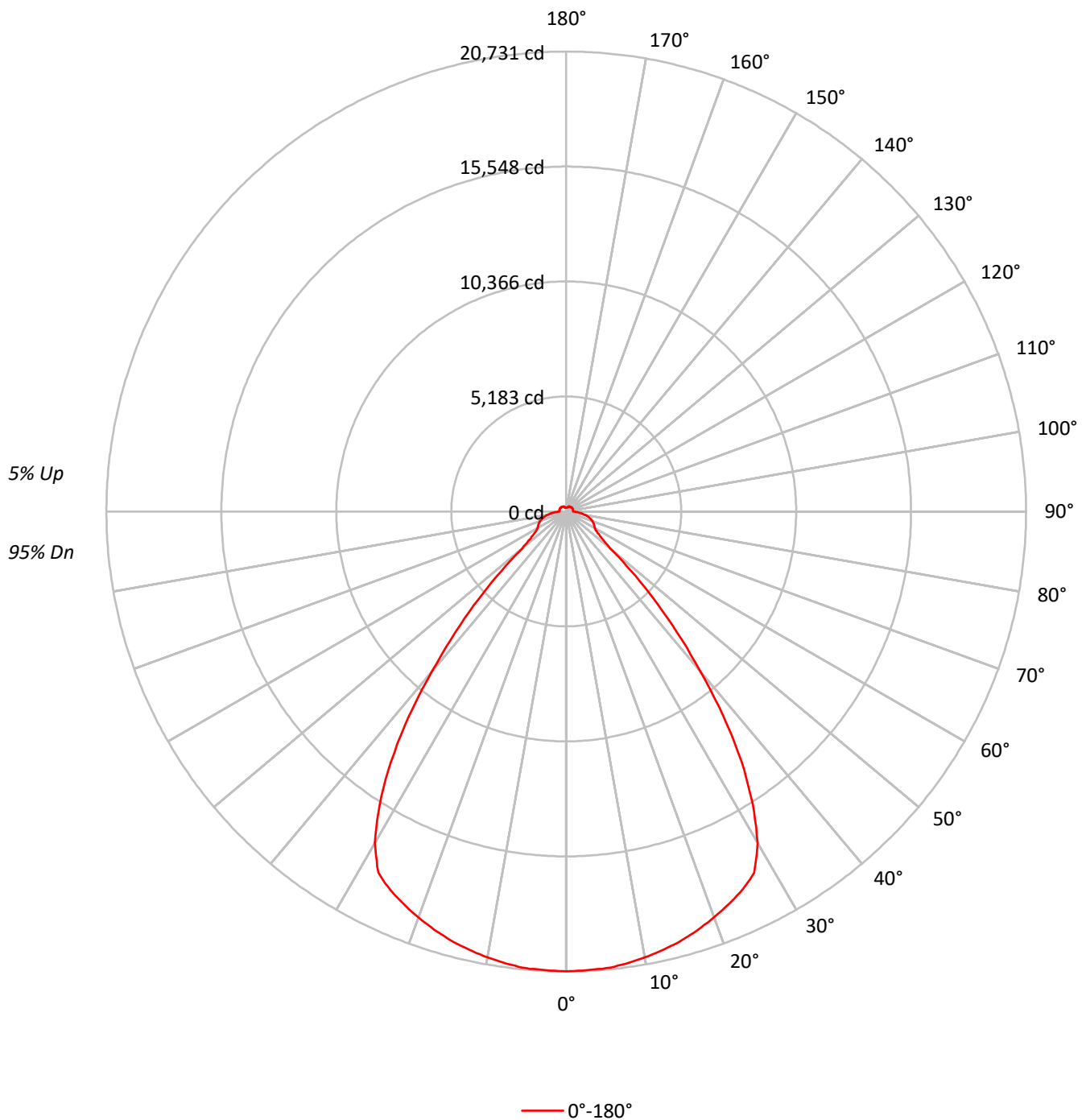
Lumens per Lamp: N/A
Luminaire Lumens: 35633.3 lumens
Efficiency: N/A
Efficacy: 154.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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: P1221460

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L36_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221460

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L36_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
RCR																	
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97
1	110	106	103	100	107	103	100	97	98	96	93	94	92	90	89	88	86
2	102	96	90	86	99	94	89	85	89	85	82	85	82	79	82	79	77
3	95	87	81	75	93	85	79	74	82	77	73	78	74	71	75	72	69
4	89	79	72	67	87	78	71	66	75	69	65	72	67	64	70	66	62
5	83	73	66	60	81	72	65	60	69	63	59	67	62	58	64	60	57
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47
8	69	57	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43
9	65	53	46	42	63	53	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	37	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119540
5°	113834
10°	108348
15°	103395
20°	98534
25°	94027
30°	85915
35°	68827
40°	47420
45°	28660
50°	13688
55°	9761
60°	8504
65°	8367
70°	8073
75°	7502
80°	6447
85°	4858

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28660 cd/sqm

TEST NUMBER: P1221460

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L36_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1964.6	5.5
10°-20°	5654.7	15.9
20°-30°	8616.1	24.2
30°-40°	8453.4	23.7
40°-50°	4367.2	12.3
50°-60°	1663.5	4.7
60°-70°	1363.4	3.8
70°-80°	1120.8	3.1
80°-90°	614.6	1.7
90°-100°	331.8	0.9
100°-110°	332.5	0.9
110°-120°	311.3	0.9
120°-130°	271.4	0.8
130°-140°	221.2	0.6
140°-150°	166.5	0.5
150°-160°	109.7	0.3
160°-170°	54.9	0.2
170°-180°	15.7	0.0
0°-30°	16235.4	45.6
0°-40°	24688.8	69.3
0°-60°	30719.6	86.2
0°-90°	33818.3	94.9
90°-120°	975.7	2.7
90°-150°	1634.8	4.6
90°-180°	1815.0	5.1
0°-180°	35633.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20731	
5°	20673	###
15°	20035	5655
25°	18810	8616
35°	13782	8453
45°	5570	4367
55°	1782	1664
65°	1382	1363
75°	1072	1121
85°	564	516
90°	296	180
95°	305	250
105°	315	333
115°	314	311
125°	302	271
135°	286	221
145°	264	167
155°	237	110
165°	191	55
175°	164	16
180°	162	

TEST NUMBER: P1221460

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L36_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	20730.7
2.5°	20697.5
5°	20672.6
7.5°	20567.1
10°	20413.0
12.5°	20233.9
15°	20034.7
17.5°	19770.3
20°	19476.3
22.5°	19157.3
25°	18809.9
27.5°	18353.4
30°	17261.4
32.5°	15664.2
35°	13782.5
37.5°	11669.6
40°	9391.9
42.5°	7388.1
45°	5570.4
47.5°	3979.2
50°	2589.6
52.5°	2056.0
55°	1782.1
57.5°	1581.7
60°	1484.5
62.5°	1428.8
65°	1382.5
67.5°	1322.1
70°	1248.5
72.5°	1165.5
75°	1071.9
77.5°	962.8
80°	838.3
82.5°	704.3
85°	564.4
87.5°	419.7
90°	296.4
92.5°	300.0
95°	304.7
97.5°	308.3
100°	310.7
102.5°	313.0
105°	315.4
107.5°	315.4
110°	316.6

TEST NUMBER: P1221460

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L36_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	315.4
115°	314.2
117.5°	311.8
120°	309.5
122.5°	305.9
125°	302.4
127.5°	298.8
130°	295.2
132.5°	289.3
135°	285.8
137.5°	281.0
140°	275.1
142.5°	270.3
145°	264.4
147.5°	259.7
150°	253.7
152.5°	245.4
155°	237.1
157.5°	226.5
160°	215.8
162.5°	202.8
165°	190.9
167.5°	179.0
170°	167.2
172.5°	163.6
175°	163.6
177.5°	162.4
180°	162.4

TEST NUMBER: P1221460

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L36_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	15.01	16.20	15.47	16.62	17.06	15.01	16.20	15.47	16.62	17.06
	3H	17.28	18.33	17.75	18.77	19.26	17.28	18.33	17.75	18.77	19.26
	4H	18.24	19.23	18.74	19.69	20.20	18.24	19.23	18.74	19.69	20.20
	6H	19.04	19.95	19.54	20.42	20.94	19.04	19.95	19.54	20.42	20.94
	8H	19.33	20.19	19.84	20.68	21.21	19.33	20.19	19.84	20.68	21.21
	12H	19.55	20.37	20.07	20.86	21.41	19.55	20.37	20.07	20.86	21.41
4H	2H	15.63	16.62	16.12	17.07	17.58	15.63	16.62	16.12	17.07	17.58
	3H	18.10	18.92	18.60	19.42	19.95	18.10	18.92	18.60	19.42	19.95
	4H	19.19	19.94	19.72	20.45	21.01	19.19	19.94	19.72	20.45	21.01
	6H	20.12	20.77	20.67	21.31	21.89	20.12	20.77	20.67	21.31	21.89
	8H	20.47	21.07	21.02	21.61	22.20	20.47	21.07	21.02	21.61	22.20
	12H	20.74	21.28	21.32	21.85	22.44	20.74	21.28	21.32	21.85	22.44
8H	4H	19.53	20.13	20.08	20.67	21.26	19.53	20.13	20.08	20.67	21.26
	6H	20.60	21.09	21.18	21.68	22.27	20.60	21.09	21.18	21.68	22.27
	8H	21.04	21.48	21.64	22.08	22.69	21.04	21.48	21.64	22.08	22.69
	12H	21.42	21.81	22.02	22.39	23.08	21.42	21.81	22.02	22.39	23.08
12H	4H	19.56	20.09	20.13	20.67	21.26	19.56	20.09	20.13	20.67	21.26
	6H	20.67	21.11	21.27	21.71	22.32	20.67	21.11	21.27	21.71	22.32
	8H	21.17	21.56	21.77	22.14	22.83	21.17	21.56	21.77	22.14	22.83

END OF REPORT