

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: P1221471

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (5000K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221471
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-32)
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 (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

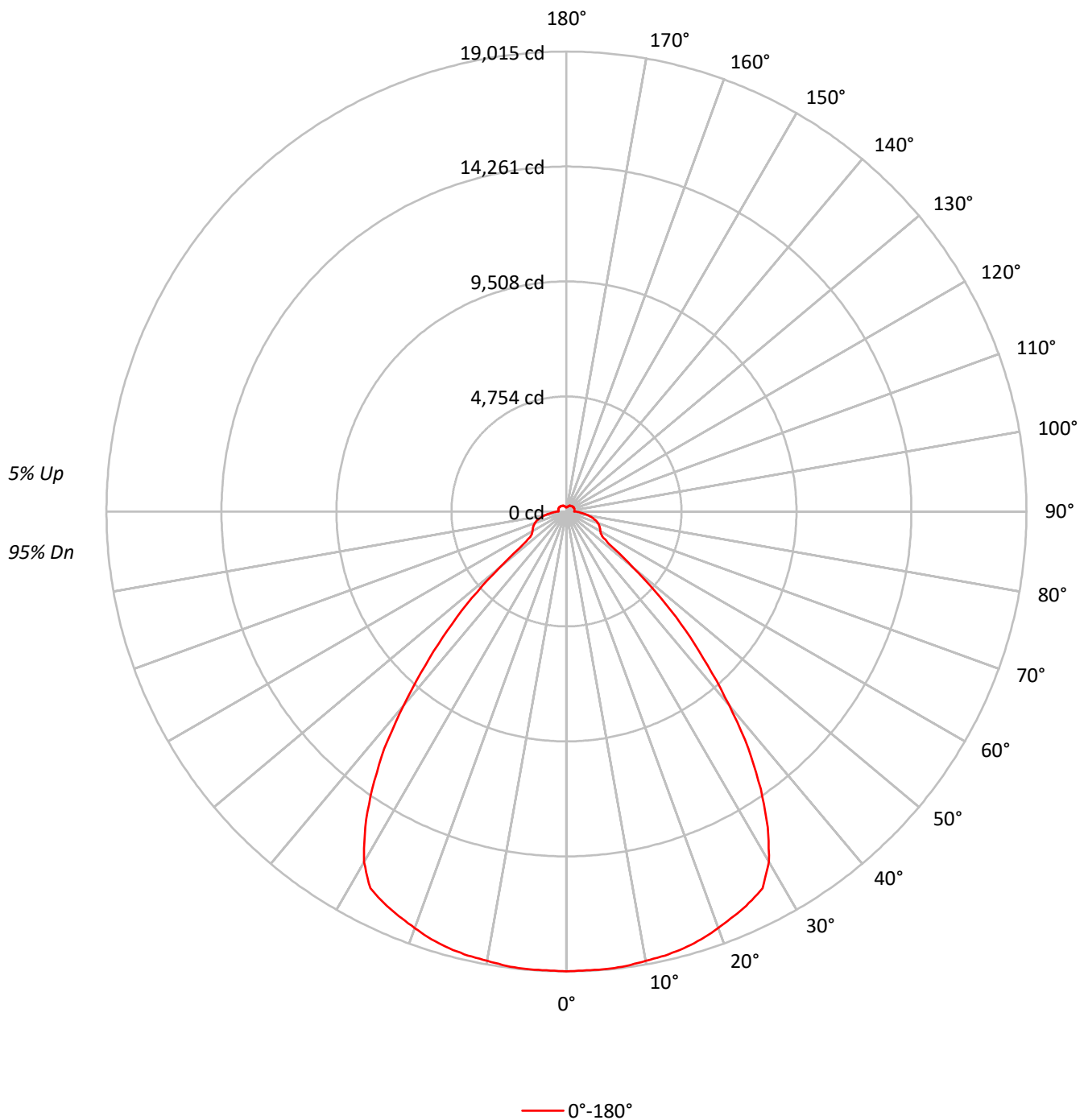
Lumens per Lamp: N/A
Luminaire Lumens: 36482.0 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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		114	114	114	114		108	108	108		102	102	102		97	97	97
1	110	106	102	99		106	103	100	97		98	95	93		93	91	89		89	87	86
2	102	95	90	85		99	93	88	84		89	84	81		85	81	78		81	78	76
3	95	86	79	74		92	84	78	73		81	75	71		77	73	69		74	71	68
4	88	78	71	65		86	77	70	65		74	68	63		71	66	62		68	64	61
5	82	72	64	58		80	70	63	58		68	62	57		65	60	56		63	58	55
6	77	66	58	53		75	64	57	52		62	56	51		60	55	51		58	53	50
7	72	60	53	48		70	59	52	47		57	51	47		56	50	46		54	49	45
8	68	56	48	43		66	55	48	43		53	47	43		52	46	42		50	45	41
9	64	52	45	40		62	51	44	39		50	43	39		48	43	39		47	42	38
10	60	48	41	36		58	47	41	36		46	40	36		45	39	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109648
5°	104590
10°	100139
15°	96548
20°	92763
25°	89287
30°	83303
35°	69912
40°	52755
45°	35855
50°	19003
55°	9931
60°	9267
65°	9193
70°	8907
75°	8215
80°	6913
85°	5185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 35855 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1809.0	5.0
10°-20°	5283.4	14.5
20°-30°	8203.8	22.5
30°-40°	8630.6	23.7
40°-50°	5335.7	14.6
50°-60°	1857.2	5.1
60°-70°	1497.2	4.1
70°-80°	1225.4	3.4
80°-90°	658.1	1.8
90°-100°	362.5	1.0
100°-110°	363.6	1.0
110°-120°	340.4	0.9
120°-130°	297.2	0.8
130°-140°	241.4	0.7
140°-150°	181.4	0.5
150°-160°	118.9	0.3
160°-170°	59.3	0.2
170°-180°	16.9	0.0
0°-30°	15296.2	41.9
0°-40°	23926.8	65.6
0°-60°	31119.7	85.3
0°-90°	34500.4	94.6
90°-120°	1066.5	2.9
90°-150°	1786.5	4.9
90°-180°	1982.0	5.4
0°-180°	36482.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19015	
5°	18994	###
15°	18708	5283
25°	17862	8204
35°	14000	8631
45°	6969	5336
55°	1813	1857
65°	1519	1497
75°	1174	1225
85°	602	552
90°	323	195
95°	332	273
105°	344	364
115°	343	340
125°	331	297
135°	312	241
145°	289	181
155°	257	119
165°	207	59
175°	176	17
180°	173	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19015.2
2.5°	18986.7
5°	18993.8
7.5°	18954.5
10°	18866.4
12.5°	18805.7
15°	18708.1
17.5°	18546.2
20°	18335.5
22.5°	18103.3
25°	17861.7
27.5°	17558.1
30°	16736.7
32.5°	15489.1
35°	13999.8
37.5°	12361.7
40°	10448.7
42.5°	8635.6
45°	6969.0
47.5°	5302.3
50°	3595.2
52.5°	2239.3
55°	1813.1
57.5°	1684.5
60°	1617.8
62.5°	1566.6
65°	1519.0
67.5°	1455.9
70°	1377.4
72.5°	1285.7
75°	1173.8
77.5°	1042.8
80°	898.8
82.5°	751.2
85°	602.4
87.5°	451.2
90°	322.6
92.5°	328.6
95°	332.1
97.5°	336.9
100°	340.5
102.5°	342.9
105°	344.0
107.5°	345.2
110°	345.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	345.2
115°	342.9
117.5°	341.7
120°	338.1
122.5°	335.7
125°	330.9
127.5°	327.4
130°	322.6
132.5°	316.7
135°	311.9
137.5°	305.9
140°	300.0
142.5°	294.0
145°	289.3
147.5°	282.1
150°	275.0
152.5°	266.7
155°	257.1
157.5°	245.2
160°	232.1
162.5°	220.2
165°	207.1
167.5°	192.9
170°	179.8
172.5°	176.2
175°	176.2
177.5°	173.8
180°	172.6

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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	15.31	16.53	15.77	16.96	17.42	15.31	16.53	15.77	16.96	17.42
	3H	17.70	18.79	18.17	19.23	19.73	17.70	18.79	18.17	19.23	19.73
	4H	18.69	19.71	19.19	20.17	20.69	18.69	19.71	19.19	20.17	20.69
	6H	19.48	20.42	19.98	20.89	21.42	19.48	20.42	19.98	20.89	21.42
	8H	19.76	20.65	20.28	21.15	21.68	19.76	20.65	20.28	21.15	21.68
	12H	19.97	20.82	20.49	21.31	21.87	19.97	20.82	20.49	21.31	21.87
4H	2H	15.99	17.01	16.48	17.47	17.98	15.99	17.01	16.48	17.47	17.98
	3H	18.56	19.41	19.07	19.92	20.45	18.56	19.41	19.07	19.92	20.45
	4H	19.67	20.44	20.20	20.96	21.53	19.67	20.44	20.20	20.96	21.53
	6H	20.58	21.25	21.14	21.79	22.38	20.58	21.25	21.14	21.79	22.38
	8H	20.92	21.54	21.48	22.08	22.68	20.92	21.54	21.48	22.08	22.68
	12H	21.19	21.74	21.76	22.32	22.91	21.19	21.74	21.76	22.32	22.91
8H	4H	20.01	20.63	20.57	21.18	21.77	20.01	20.63	20.57	21.18	21.77
	6H	21.06	21.57	21.64	22.16	22.76	21.06	21.57	21.64	22.16	22.76
	8H	21.48	21.94	22.09	22.55	23.16	21.48	21.94	22.09	22.55	23.16
	12H	21.85	22.26	22.45	22.85	23.54	21.85	22.26	22.45	22.85	23.54
12H	4H	20.04	20.60	20.62	21.17	21.77	20.04	20.60	20.62	21.17	21.77
	6H	21.12	21.59	21.73	22.19	22.81	21.12	21.59	21.73	22.19	22.81
	8H	21.61	22.02	22.21	22.61	23.29	21.61	22.02	22.21	22.61	23.29