

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: P1221433

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221433
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-26)
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_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

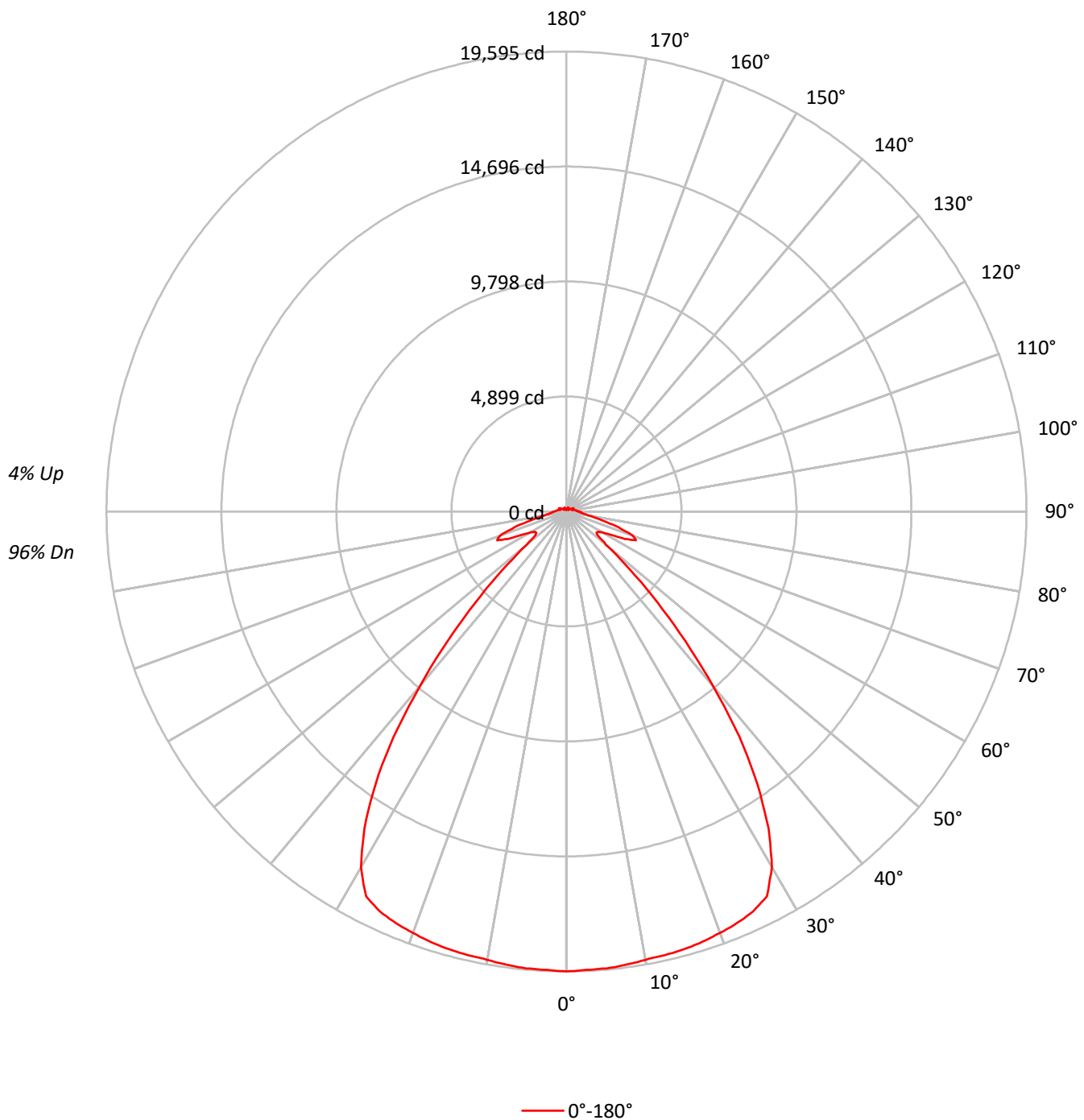
Lumens per Lamp: N/A
Luminaire Lumens: 37300.2 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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		115	115	115	115		109	109	109		103	103	103		98	98	98
1	109	105	101	98		106	102	99	96		98	95	92		93	91	89		89	87	86
2	101	94	88	83		98	92	87	82		88	83	80		84	80	77		81	78	75
3	94	85	78	73		91	83	77	72		80	74	70		77	72	68		74	70	67
4	87	77	70	64		85	76	69	63		73	67	62		70	65	61		68	63	60
5	82	71	63	57		79	69	62	57		67	61	56		65	59	55		62	58	54
6	76	65	57	52		74	64	56	51		62	55	50		60	54	50		58	53	49
7	72	60	52	47		70	59	52	46		57	51	46		55	50	45		54	49	45
8	67	55	48	43		66	54	47	42		53	47	42		51	46	42		50	45	41
9	63	51	44	39		62	51	44	39		49	43	39		48	42	38		47	42	38
10	60	48	41	36		58	47	41	36		46	40	36		45	39	35		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112993
5°	107597
10°	102945
15°	99699
20°	96686
25°	94014
30°	87105
35°	70854
40°	48924
45°	28152
50°	11621
55°	8564
60°	10273
65°	16735
70°	19444
75°	12543
80°	7331
85°	5527

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 28152 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1860.5	5.0
10°-20°	5464.2	14.6
20°-30°	8612.9	23.1
30°-40°	8683.0	23.3
40°-50°	4296.2	11.5
50°-60°	1533.3	4.1
60°-70°	2619.3	7.0
70°-80°	1974.7	5.3
80°-90°	735.3	2.0
90°-100°	463.0	1.2
100°-110°	297.3	0.8
110°-120°	298.3	0.8
120°-130°	144.4	0.4
130°-140°	99.0	0.3
140°-150°	106.7	0.3
150°-160°	74.8	0.2
160°-170°	31.1	0.1
170°-180°	6.5	0.0
0°-30°	15937.6	42.7
0°-40°	24620.6	66.0
0°-60°	30450.0	81.6
0°-90°	35779.2	95.9
90°-120°	1058.5	2.8
90°-150°	1408.6	3.8
90°-180°	1521.0	4.1
0°-180°	37300.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19595	
5°	19540	###
15°	19318	5464
25°	18807	8613
35°	14188	8683
45°	5472	4296
55°	1564	1533
65°	2765	2619
75°	1792	1975
85°	642	586
90°	509	283
95°	422	330
105°	250	297
115°	318	298
125°	153	144
135°	124	99
145°	173	107
155°	165	75
165°	106	31
175°	65	7
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19595.4
2.5°	19553.0
5°	19540.0
7.5°	19484.6
10°	19395.1
12.5°	19357.4
15°	19318.5
17.5°	19231.3
20°	19111.1
22.5°	18988.6
25°	18807.2
27.5°	18489.0
30°	17500.5
32.5°	16021.8
35°	14188.4
37.5°	12092.3
40°	9689.9
42.5°	7491.3
45°	5471.8
47.5°	3693.8
50°	2198.6
52.5°	1676.6
55°	1563.5
57.5°	1611.8
60°	1793.3
62.5°	2145.6
65°	2765.3
67.5°	3203.6
70°	3006.9
72.5°	2427.2
75°	1792.1
77.5°	1298.4
80°	953.2
82.5°	741.1
85°	642.1
87.5°	583.2
90°	509.0
92.5°	460.7
95°	421.8
97.5°	388.8
100°	341.7
102.5°	282.8
105°	249.8
107.5°	265.1
110°	309.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	335.8
115°	318.1
117.5°	275.7
120°	229.8
122.5°	187.3
125°	153.2
127.5°	127.3
130°	113.1
132.5°	111.9
135°	123.7
137.5°	142.6
140°	159.1
142.5°	169.7
145°	173.2
147.5°	172.0
150°	170.8
152.5°	168.5
155°	165.0
157.5°	154.4
160°	139.0
162.5°	122.5
165°	106.0
167.5°	89.5
170°	75.4
172.5°	68.3
175°	64.8
177.5°	63.6
180°	63.6

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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	15.04	16.30	15.47	16.70	17.12	15.04	16.30	15.47	16.70	17.12
	3H	21.40	22.55	21.85	22.96	23.43	21.40	22.55	21.85	22.96	23.43
	4H	22.32	23.39	22.79	23.83	24.31	22.32	23.39	22.79	23.83	24.31
	6H	22.68	23.67	23.16	24.12	24.62	22.68	23.67	23.16	24.12	24.62
	8H	22.77	23.71	23.27	24.18	24.69	22.77	23.71	23.27	24.18	24.69
	12H	22.84	23.74	23.34	24.21	24.74	22.84	23.74	23.34	24.21	24.74
4H	2H	17.23	18.31	17.70	18.74	19.22	17.23	18.31	17.70	18.74	19.22
	3H	22.53	23.43	23.01	23.91	24.41	22.53	23.43	23.01	23.91	24.41
	4H	23.43	24.24	23.93	24.74	25.28	23.43	24.24	23.93	24.74	25.28
	6H	23.83	24.55	24.36	25.07	25.62	23.83	24.55	24.36	25.07	25.62
	8H	23.94	24.61	24.47	25.13	25.69	23.94	24.61	24.47	25.13	25.69
	12H	24.04	24.63	24.59	25.19	25.75	24.04	24.63	24.59	25.19	25.75
8H	4H	23.67	24.34	24.21	24.86	25.42	23.67	24.34	24.21	24.86	25.42
	6H	24.14	24.69	24.71	25.26	25.83	24.14	24.69	24.71	25.26	25.83
	8H	24.30	24.79	24.88	25.37	25.95	24.30	24.79	24.88	25.37	25.95
	12H	24.46	24.89	25.04	25.46	26.11	24.46	24.89	25.04	25.46	26.11
12H	4H	23.66	24.26	24.22	24.81	25.38	23.66	24.26	24.22	24.81	25.38
	6H	24.15	24.64	24.73	25.22	25.80	24.15	24.64	24.73	25.22	25.80
	8H	24.34	24.77	24.92	25.34	25.99	24.34	24.77	24.92	25.34	25.99

END OF REPORT