

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: P1221462

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221462
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

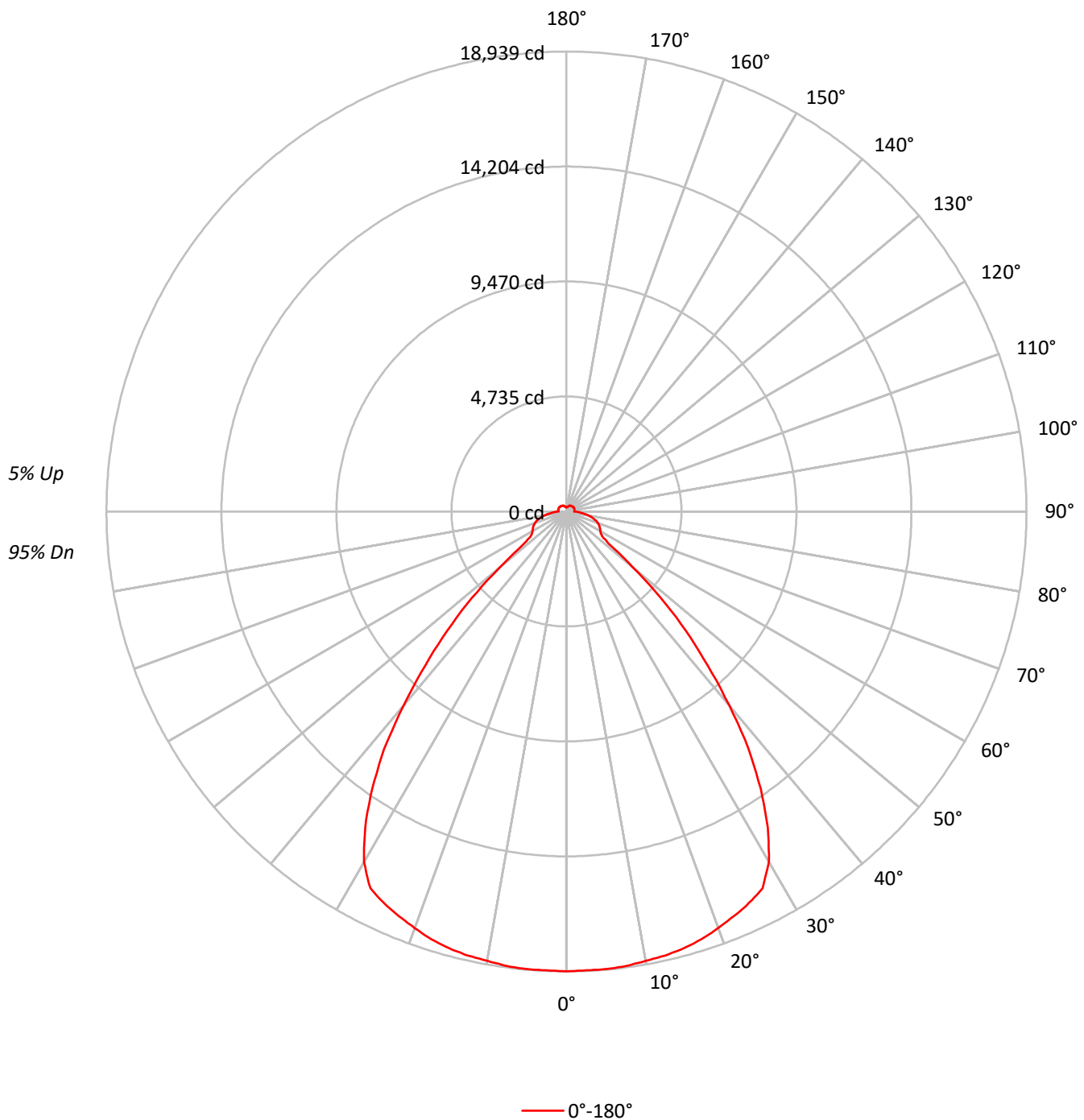
Lumens per Lamp: N/A
Luminaire Lumens: 36336.2 lumens
Efficiency: N/A
Efficacy: 157.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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°	109209
5°	104171
10°	99738
15°	96162
20°	92391
25°	88930
30°	82970
35°	69633
40°	52544
45°	35712
50°	18927
55°	9891
60°	9231
65°	9156
70°	8871
75°	8182
80°	6885
85°	5164

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 35712 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1801.7	5.0
10°-20°	5262.2	14.5
20°-30°	8171.0	22.5
30°-40°	8596.1	23.7
40°-50°	5314.4	14.6
50°-60°	1849.8	5.1
60°-70°	1491.2	4.1
70°-80°	1220.6	3.4
80°-90°	655.5	1.8
90°-100°	361.1	1.0
100°-110°	362.2	1.0
110°-120°	339.0	0.9
120°-130°	296.0	0.8
130°-140°	240.5	0.7
140°-150°	180.6	0.5
150°-160°	118.4	0.3
160°-170°	59.1	0.2
170°-180°	16.8	0.0
0°-30°	15235.0	41.9
0°-40°	23831.1	65.6
0°-60°	30995.2	85.3
0°-90°	34362.4	94.6
90°-120°	1062.3	2.9
90°-150°	1779.4	4.9
90°-180°	1974.0	5.4
0°-180°	36336.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18939	
5°	18918	###
15°	18633	5262
25°	17790	8171
35°	13944	8596
45°	6941	5314
55°	1806	1850
65°	1513	1491
75°	1169	1221
85°	600	550
90°	321	194
95°	331	272
105°	343	362
115°	342	339
125°	330	296
135°	311	240
145°	288	181
155°	256	118
165°	206	59
175°	176	17
180°	172	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18939.1
2.5°	18910.7
5°	18917.8
7.5°	18878.7
10°	18790.9
12.5°	18730.5
15°	18633.2
17.5°	18472.0
20°	18262.1
22.5°	18030.9
25°	17790.2
27.5°	17487.8
30°	16669.7
32.5°	15427.1
35°	13943.8
37.5°	12312.3
40°	10406.9
42.5°	8601.0
45°	6941.1
47.5°	5281.1
50°	3580.8
52.5°	2230.3
55°	1805.8
57.5°	1677.8
60°	1611.4
62.5°	1560.4
65°	1512.9
67.5°	1450.1
70°	1371.9
72.5°	1280.6
75°	1169.1
77.5°	1038.7
80°	895.2
82.5°	748.2
85°	600.0
87.5°	449.4
90°	321.3
92.5°	327.3
95°	330.8
97.5°	335.6
100°	339.1
102.5°	341.5
105°	342.7
107.5°	343.9
110°	343.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	343.9
115°	341.5
117.5°	340.3
120°	336.7
122.5°	334.4
125°	329.6
127.5°	326.1
130°	321.3
132.5°	315.4
135°	310.7
137.5°	304.7
140°	298.8
142.5°	292.9
145°	288.1
147.5°	281.0
150°	273.9
152.5°	265.6
155°	256.1
157.5°	244.3
160°	231.2
162.5°	219.4
165°	206.3
167.5°	192.1
170°	179.0
172.5°	175.5
175°	175.5
177.5°	173.1
180°	171.9

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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	15.30	16.52	15.76	16.95	17.40	15.30	16.52	15.76	16.95	17.40
	3H	17.69	18.78	18.16	19.22	19.72	17.69	18.78	18.16	19.22	19.72
	4H	18.68	19.70	19.17	20.16	20.68	18.68	19.70	19.17	20.16	20.68
	6H	19.46	20.40	19.97	20.88	21.41	19.46	20.40	19.97	20.88	21.41
	8H	19.74	20.64	20.26	21.13	21.67	19.74	20.64	20.26	21.13	21.67
	12H	19.96	20.81	20.48	21.30	21.86	19.96	20.81	20.48	21.30	21.86
4H	2H	15.97	16.99	16.47	17.45	17.97	15.97	16.99	16.47	17.45	17.97
	3H	18.55	19.39	19.05	19.90	20.44	18.55	19.39	19.05	19.90	20.44
	4H	19.66	20.42	20.19	20.94	21.51	19.66	20.42	20.19	20.94	21.51
	6H	20.57	21.23	21.12	21.78	22.37	20.57	21.23	21.12	21.78	22.37
	8H	20.90	21.53	21.46	22.07	22.67	20.90	21.53	21.46	22.07	22.67
	12H	21.17	21.72	21.75	22.30	22.90	21.17	21.72	21.75	22.30	22.90
8H	4H	20.00	20.62	20.56	21.16	21.76	20.00	20.62	20.56	21.16	21.76
	6H	21.04	21.56	21.63	22.15	22.75	21.04	21.56	21.63	22.15	22.75
	8H	21.47	21.93	22.07	22.53	23.15	21.47	21.93	22.07	22.53	23.15
	12H	21.84	22.25	22.44	22.83	23.52	21.84	22.25	22.44	22.83	23.52
12H	4H	20.03	20.58	20.60	21.16	21.76	20.03	20.58	20.60	21.16	21.76
	6H	21.11	21.57	21.72	22.18	22.79	21.11	21.57	21.72	22.18	22.79
	8H	21.60	22.01	22.20	22.59	23.28	21.60	22.01	22.20	22.59	23.28