

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: P1221480

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (6500K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221480
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

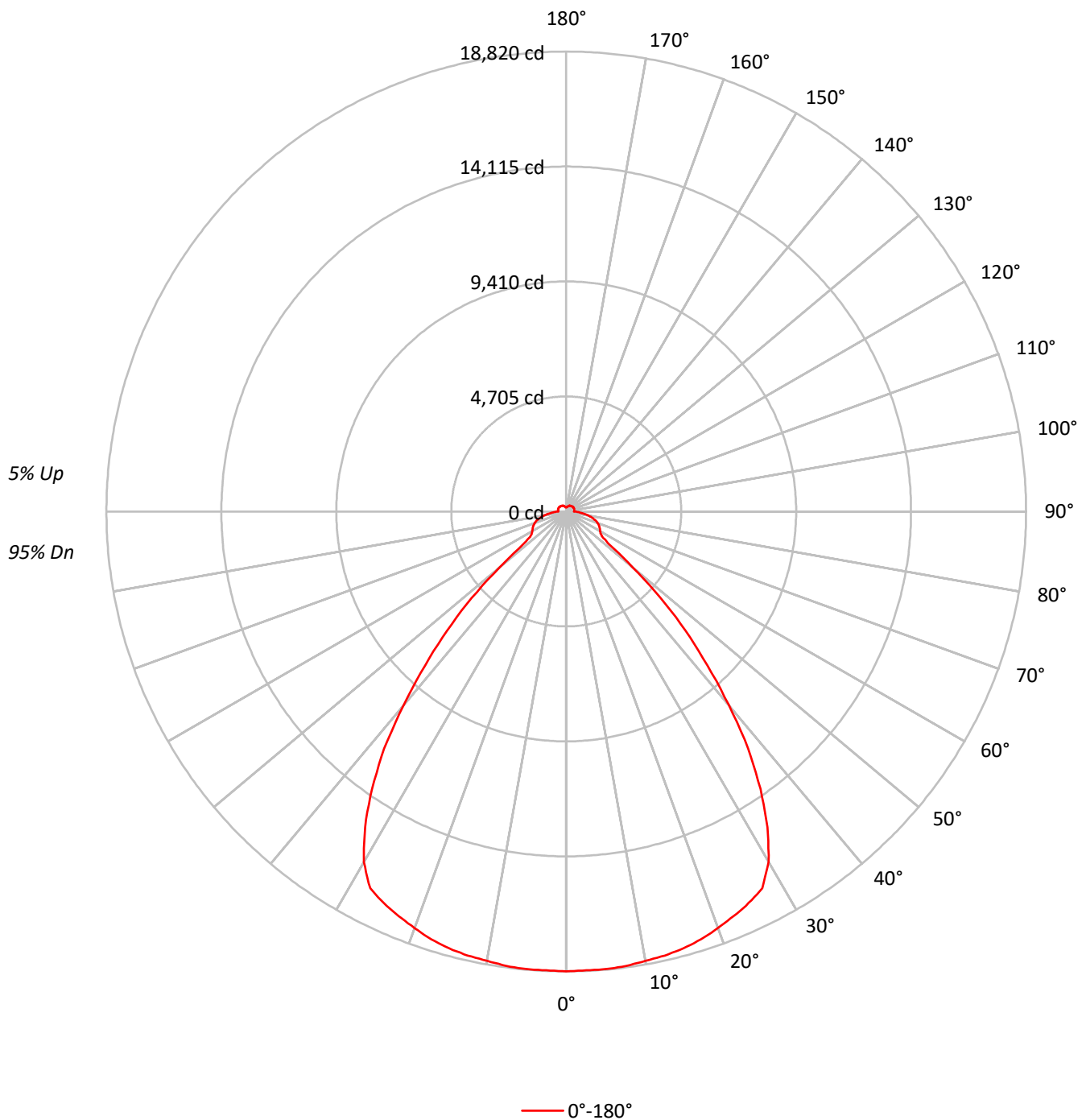
Lumens per Lamp: N/A
Luminaire Lumens: 36107.7 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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°	108523
5°	103517
10°	99111
15°	95558
20°	91810
25°	88371
30°	82449
35°	69195
40°	52214
45°	35487
50°	18808
55°	9829
60°	9172
65°	9098
70°	8815
75°	8131
80°	6842
85°	5132

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 35487 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1790.4	5.0
10°-20°	5229.2	14.5
20°-30°	8119.7	22.5
30°-40°	8542.1	23.7
40°-50°	5280.9	14.6
50°-60°	1838.1	5.1
60°-70°	1481.8	4.1
70°-80°	1212.9	3.4
80°-90°	651.4	1.8
90°-100°	358.8	1.0
100°-110°	359.9	1.0
110°-120°	336.9	0.9
120°-130°	294.1	0.8
130°-140°	239.0	0.7
140°-150°	179.5	0.5
150°-160°	117.7	0.3
160°-170°	58.7	0.2
170°-180°	16.7	0.0
0°-30°	15139.2	41.9
0°-40°	23681.3	65.6
0°-60°	30800.4	85.3
0°-90°	34146.4	94.6
90°-120°	1055.6	2.9
90°-150°	1768.2	4.9
90°-180°	1961.0	5.4
0°-180°	36107.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18820	
5°	18799	###
15°	18516	5229
25°	17678	8120
35°	13856	8542
45°	6897	5281
55°	1794	1838
65°	1503	1482
75°	1162	1213
85°	596	546
90°	319	193
95°	329	270
105°	340	360
115°	339	337
125°	328	294
135°	309	239
145°	286	179
155°	254	118
165°	205	59
175°	174	17
180°	171	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18820.1
2.5°	18791.8
5°	18798.9
7.5°	18760.0
10°	18672.8
12.5°	18612.7
15°	18516.1
17.5°	18355.9
20°	18147.3
22.5°	17917.6
25°	17678.4
27.5°	17377.9
30°	16565.0
32.5°	15330.2
35°	13856.2
37.5°	12234.9
40°	10341.5
42.5°	8547.0
45°	6897.4
47.5°	5247.9
50°	3558.3
52.5°	2216.3
55°	1794.5
57.5°	1667.2
60°	1601.2
62.5°	1550.6
65°	1503.4
67.5°	1441.0
70°	1363.2
72.5°	1272.5
75°	1161.8
77.5°	1032.1
80°	889.6
82.5°	743.5
85°	596.2
87.5°	446.6
90°	319.3
92.5°	325.2
95°	328.7
97.5°	333.4
100°	337.0
102.5°	339.3
105°	340.5
107.5°	341.7
110°	341.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	341.7
115°	339.3
117.5°	338.2
120°	334.6
122.5°	332.3
125°	327.6
127.5°	324.0
130°	319.3
132.5°	313.4
135°	308.7
137.5°	302.8
140°	296.9
142.5°	291.0
145°	286.3
147.5°	279.2
150°	272.2
152.5°	263.9
155°	254.5
157.5°	242.7
160°	229.8
162.5°	218.0
165°	205.0
167.5°	190.9
170°	177.9
172.5°	174.4
175°	174.4
177.5°	172.0
180°	170.8

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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	15.28	16.50	15.74	16.93	17.38	15.28	16.50	15.74	16.93	17.38
	3H	17.67	18.76	18.14	19.20	19.70	17.67	18.76	18.14	19.20	19.70
	4H	18.66	19.68	19.15	20.14	20.65	18.66	19.68	19.15	20.14	20.65
	6H	19.44	20.38	19.95	20.86	21.38	19.44	20.38	19.95	20.86	21.38
	8H	19.72	20.61	20.24	21.11	21.65	19.72	20.61	20.24	21.11	21.65
	12H	19.93	20.79	20.46	21.28	21.84	19.93	20.79	20.46	21.28	21.84
4H	2H	15.95	16.97	16.45	17.43	17.95	15.95	16.97	16.45	17.43	17.95
	3H	18.53	19.37	19.03	19.88	20.41	18.53	19.37	19.03	19.88	20.41
	4H	19.64	20.40	20.16	20.92	21.49	19.64	20.40	20.16	20.92	21.49
	6H	20.55	21.21	21.10	21.76	22.35	20.55	21.21	21.10	21.76	22.35
	8H	20.88	21.50	21.44	22.05	22.64	20.88	21.50	21.44	22.05	22.64
	12H	21.15	21.70	21.72	22.28	22.88	21.15	21.70	21.72	22.28	22.88
8H	4H	19.98	20.60	20.53	21.14	21.74	19.98	20.60	20.53	21.14	21.74
	6H	21.02	21.53	21.61	22.13	22.73	21.02	21.53	21.61	22.13	22.73
	8H	21.45	21.91	22.05	22.51	23.13	21.45	21.91	22.05	22.51	23.13
	12H	21.82	22.22	22.42	22.81	23.50	21.82	22.22	22.42	22.81	23.50
12H	4H	20.01	20.56	20.58	21.14	21.74	20.01	20.56	20.58	21.14	21.74
	6H	21.09	21.55	21.69	22.16	22.77	21.09	21.55	21.69	22.16	22.77
	8H	21.57	21.98	22.18	22.57	23.26	21.57	21.98	22.18	22.57	23.26