

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: P1221488

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3000K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221488
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

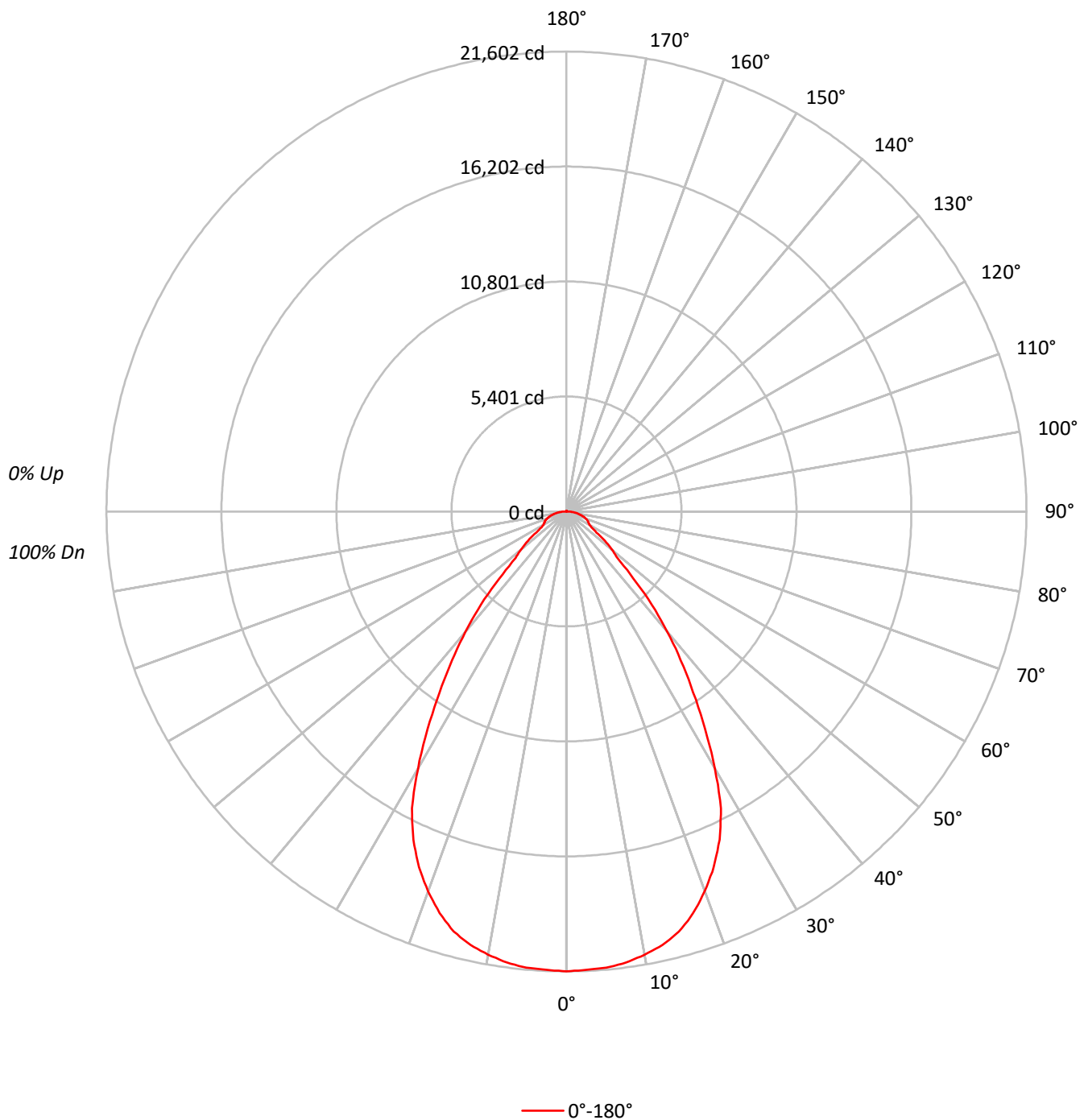
Lumens per Lamp: N/A
Luminaire Lumens: 29486.2 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 236.8
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	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	102		109	106	103	100		102	99	97		98	96	94		94	93	91
2	104	98	93	89		102	96	92	88		93	89	86		90	87	84		87	84	82
3	98	90	83	79		95	88	82	78		85	80	76		83	79	75		80	77	74
4	91	82	75	70		89	81	75	70		79	73	69		76	72	68		74	70	67
5	86	76	69	63		84	75	68	63		73	67	62		71	66	62		69	65	61
6	81	70	63	58		79	69	62	58		68	62	57		66	61	57		65	60	56
7	76	65	58	53		74	64	57	53		63	57	52		61	56	52		60	55	52
8	72	60	53	49		70	60	53	49		59	53	48		57	52	48		56	51	48
9	68	56	50	45		66	56	49	45		55	49	45		54	48	45		53	48	44
10	64	53	46	42		63	52	46	42		52	46	42		51	45	41		50	45	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124565
5°	118458
10°	112218
15°	105444
20°	96034
25°	85032
30°	69431
35°	51832
40°	37212
45°	22884
50°	14692
55°	9433
60°	7165
65°	6776
70°	6194
75°	5283
80°	4058
85°	2357

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22884 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2041.5	6.9
10°-20°	5719.1	19.4
20°-30°	7718.5	26.2
30°-40°	6511.8	22.1
40°-50°	3569.0	12.1
50°-60°	1651.0	5.6
60°-70°	1101.4	3.7
70°-80°	792.9	2.7
80°-90°	294.0	1.0
90°-100°	8.1	0.0
100°-110°	8.8	0.0
110°-120°	9.3	0.0
120°-130°	9.8	0.0
130°-140°	12.1	0.0
140°-150°	15.6	0.1
150°-160°	13.2	0.0
160°-170°	7.4	0.0
170°-180°	2.7	0.0
0°-30°	15479.1	52.5
0°-40°	21990.9	74.6
0°-60°	27210.9	92.3
0°-90°	29399.2	99.7
90°-120°	26.2	0.1
90°-150°	63.7	0.2
90°-180°	87.0	0.3
0°-180°	29486.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21602	
5°	21512	###
15°	20432	5719
25°	17010	7719
35°	10379	6512
45°	4448	3569
55°	1722	1651
65°	1120	1101
75°	755	793
85°	274	275
90°	7	21
95°	7	6
105°	8	9
115°	10	9
125°	11	10
135°	15	12
145°	25	16
155°	28	13
165°	26	7
175°	28	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21602.2
2.5°	21552.5
5°	21512.3
7.5°	21372.7
10°	21142.2
12.5°	20854.7
15°	20431.8
17.5°	19790.0
20°	18982.2
22.5°	18087.8
25°	17010.4
27.5°	15713.2
30°	13949.6
32.5°	12121.6
35°	10379.2
37.5°	8816.6
40°	7370.2
42.5°	5945.0
45°	4447.9
47.5°	3235.2
50°	2779.6
52.5°	2281.6
55°	1722.3
57.5°	1404.1
60°	1250.8
62.5°	1176.7
65°	1119.7
67.5°	1044.6
70°	957.9
72.5°	862.7
75°	754.9
77.5°	643.9
80°	527.6
82.5°	404.9
85°	273.8
87.5°	134.3
90°	7.4
92.5°	7.4
95°	7.4
97.5°	7.4
100°	7.4
102.5°	8.5
105°	8.5
107.5°	8.5
110°	8.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.5
115°	9.5
117.5°	9.5
120°	9.5
122.5°	10.6
125°	10.6
127.5°	11.6
130°	12.7
132.5°	13.7
135°	14.8
137.5°	18.0
140°	20.1
142.5°	22.2
145°	25.4
147.5°	27.5
150°	29.6
152.5°	29.6
155°	28.5
157.5°	27.5
160°	26.4
162.5°	25.4
165°	26.4
167.5°	26.4
170°	27.5
172.5°	27.5
175°	28.5
177.5°	29.6
180°	31.7

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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	15.06	16.30	15.43	16.61	16.94	15.06	16.30	15.43	16.61	16.94
	3H	16.92	18.02	17.30	18.35	18.73	16.92	18.02	17.30	18.35	18.73
	4H	17.64	18.67	18.05	19.02	19.41	17.64	18.67	18.05	19.02	19.41
	6H	18.16	19.10	18.58	19.48	19.88	18.16	19.10	18.58	19.48	19.88
	8H	18.31	19.21	18.75	19.60	20.02	18.31	19.21	18.75	19.60	20.02
	12H	18.40	19.25	18.83	19.64	20.08	18.40	19.25	18.83	19.64	20.08
4H	2H	15.56	16.58	15.97	16.94	17.33	15.56	16.58	15.97	16.94	17.33
	3H	17.62	18.47	18.04	18.88	19.29	17.62	18.47	18.04	18.88	19.29
	4H	18.46	19.22	18.90	19.64	20.09	18.46	19.22	18.90	19.64	20.09
	6H	19.09	19.75	19.56	20.20	20.68	19.09	19.75	19.56	20.20	20.68
	8H	19.29	19.90	19.76	20.35	20.83	19.29	19.90	19.76	20.35	20.83
	12H	19.40	19.95	19.90	20.43	20.92	19.40	19.95	19.90	20.43	20.92
8H	4H	18.69	19.30	19.17	19.76	20.24	18.69	19.30	19.17	19.76	20.24
	6H	19.43	19.94	19.94	20.44	20.93	19.43	19.94	19.94	20.44	20.93
	8H	19.69	20.14	20.22	20.66	21.16	19.69	20.14	20.22	20.66	21.16
	12H	19.87	20.27	20.40	20.77	21.35	19.87	20.27	20.40	20.77	21.35
12H	4H	18.70	19.24	19.19	19.73	20.21	18.70	19.24	19.19	19.73	20.21
	6H	19.46	19.91	19.99	20.43	20.93	19.46	19.91	19.99	20.43	20.93
	8H	19.77	20.16	20.29	20.66	21.24	19.77	20.16	20.29	20.66	21.24