

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: P1221485

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3000K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221485
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_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

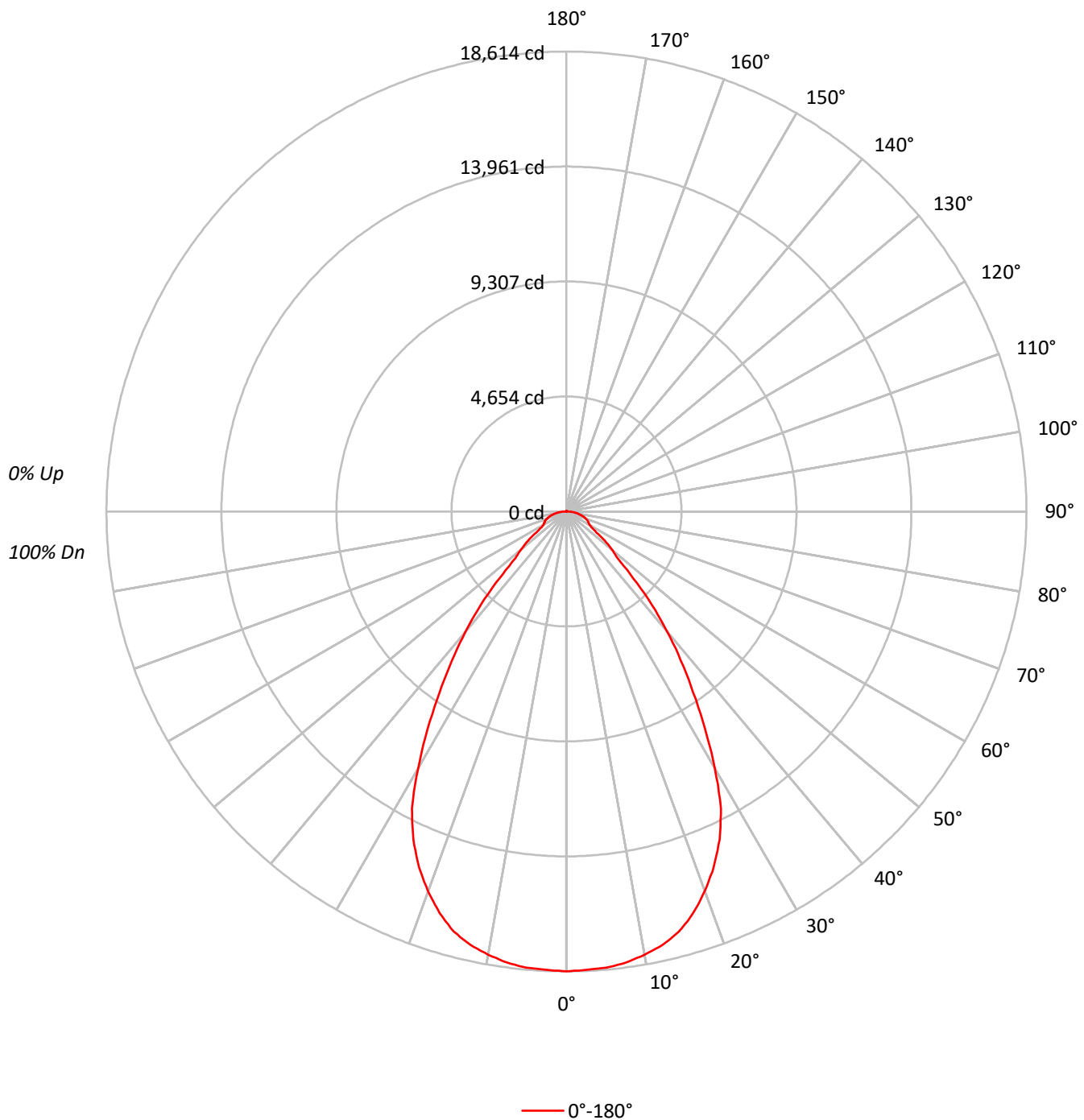
Lumens per Lamp: N/A
Luminaire Lumens: 25407.1 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.1
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°	107333
5°	102070
10°	96694
15°	90857
20°	82749
25°	73269
30°	59826
35°	44661
40°	32064
45°	19719
50°	12659
55°	8128
60°	6173
65°	5839
70°	5337
75°	4553
80°	3496
85°	2031

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 19719 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1759.1	6.9
10°-20°	4927.9	19.4
20°-30°	6650.7	26.2
30°-40°	5610.9	22.1
40°-50°	3075.3	12.1
50°-60°	1422.6	5.6
60°-70°	949.0	3.7
70°-80°	683.2	2.7
80°-90°	253.4	1.0
90°-100°	7.0	0.0
100°-110°	7.6	0.0
110°-120°	8.0	0.0
120°-130°	8.4	0.0
130°-140°	10.4	0.0
140°-150°	13.4	0.1
150°-160°	11.4	0.0
160°-170°	6.4	0.0
170°-180°	2.3	0.0
0°-30°	13337.7	52.5
0°-40°	18948.6	74.6
0°-60°	23446.5	92.3
0°-90°	25332.1	99.7
90°-120°	22.6	0.1
90°-150°	54.9	0.2
90°-180°	75.0	0.3
0°-180°	25407.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18614	
5°	18536	###
15°	17605	4928
25°	14657	6651
35°	8943	5611
45°	3833	3075
55°	1484	1423
65°	965	949
75°	650	683
85°	236	237
90°	6	18
95°	6	5
105°	7	8
115°	8	8
125°	9	8
135°	13	10
145°	22	13
155°	25	11
165°	23	6
175°	25	2
180°	27	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18613.7
2.5°	18570.9
5°	18536.2
7.5°	18416.0
10°	18217.4
12.5°	17969.6
15°	17605.2
17.5°	17052.2
20°	16356.2
22.5°	15585.5
25°	14657.2
27.5°	13539.4
30°	12019.8
32.5°	10444.7
35°	8943.3
37.5°	7596.9
40°	6350.6
42.5°	5122.6
45°	3832.6
47.5°	2787.7
50°	2395.0
52.5°	1966.0
55°	1484.0
57.5°	1209.8
60°	1077.7
62.5°	1014.0
65°	964.8
67.5°	900.1
70°	825.4
72.5°	743.4
75°	650.5
77.5°	554.8
80°	454.6
82.5°	348.9
85°	236.0
87.5°	115.7
90°	6.4
92.5°	6.4
95°	6.4
97.5°	6.4
100°	6.4
102.5°	7.3
105°	7.3
107.5°	7.3
110°	7.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	8.2
115°	8.2
117.5°	8.2
120°	8.2
122.5°	9.1
125°	9.1
127.5°	10.0
130°	10.9
132.5°	11.8
135°	12.8
137.5°	15.5
140°	17.3
142.5°	19.1
145°	21.9
147.5°	23.7
150°	25.5
152.5°	25.5
155°	24.6
157.5°	23.7
160°	22.8
162.5°	21.9
165°	22.8
167.5°	22.8
170°	23.7
172.5°	23.7
175°	24.6
177.5°	25.5
180°	27.3

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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	14.54	15.78	14.91	16.10	16.42	14.54	15.78	14.91	16.10	16.42
	3H	16.40	17.50	16.78	17.84	18.21	16.40	17.50	16.78	17.84	18.21
	4H	17.12	18.15	17.53	18.51	18.90	17.12	18.15	17.53	18.51	18.90
	6H	17.64	18.58	18.06	18.96	19.36	17.64	18.58	18.06	18.96	19.36
	8H	17.80	18.69	18.23	19.09	19.50	17.80	18.69	18.23	19.09	19.50
	12H	17.88	18.73	18.32	19.12	19.56	17.88	18.73	18.32	19.12	19.56
4H	2H	15.04	16.07	15.45	16.42	16.82	15.04	16.07	15.45	16.42	16.82
	3H	17.10	17.95	17.52	18.36	18.77	17.10	17.95	17.52	18.36	18.77
	4H	17.94	18.70	18.38	19.13	19.58	17.94	18.70	18.38	19.13	19.58
	6H	18.58	19.23	19.05	19.69	20.16	18.58	19.23	19.05	19.69	20.16
	8H	18.77	19.38	19.25	19.84	20.32	18.77	19.38	19.25	19.84	20.32
	12H	18.89	19.43	19.38	19.92	20.40	18.89	19.43	19.38	19.92	20.40
8H	4H	18.17	18.79	18.65	19.24	19.72	18.17	18.79	18.65	19.24	19.72
	6H	18.92	19.42	19.43	19.92	20.41	18.92	19.42	19.43	19.92	20.41
	8H	19.18	19.62	19.70	20.15	20.65	19.18	19.62	19.70	20.15	20.65
	12H	19.36	19.75	19.88	20.25	20.83	19.36	19.75	19.88	20.25	20.83
12H	4H	18.18	18.72	18.67	19.21	19.69	18.18	18.72	18.67	19.21	19.69
	6H	18.94	19.39	19.47	19.91	20.41	18.94	19.39	19.47	19.91	20.41
	8H	19.25	19.65	19.77	20.15	20.73	19.25	19.65	19.77	20.15	20.73

END OF REPORT