

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: P1221366

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (4000K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221366
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

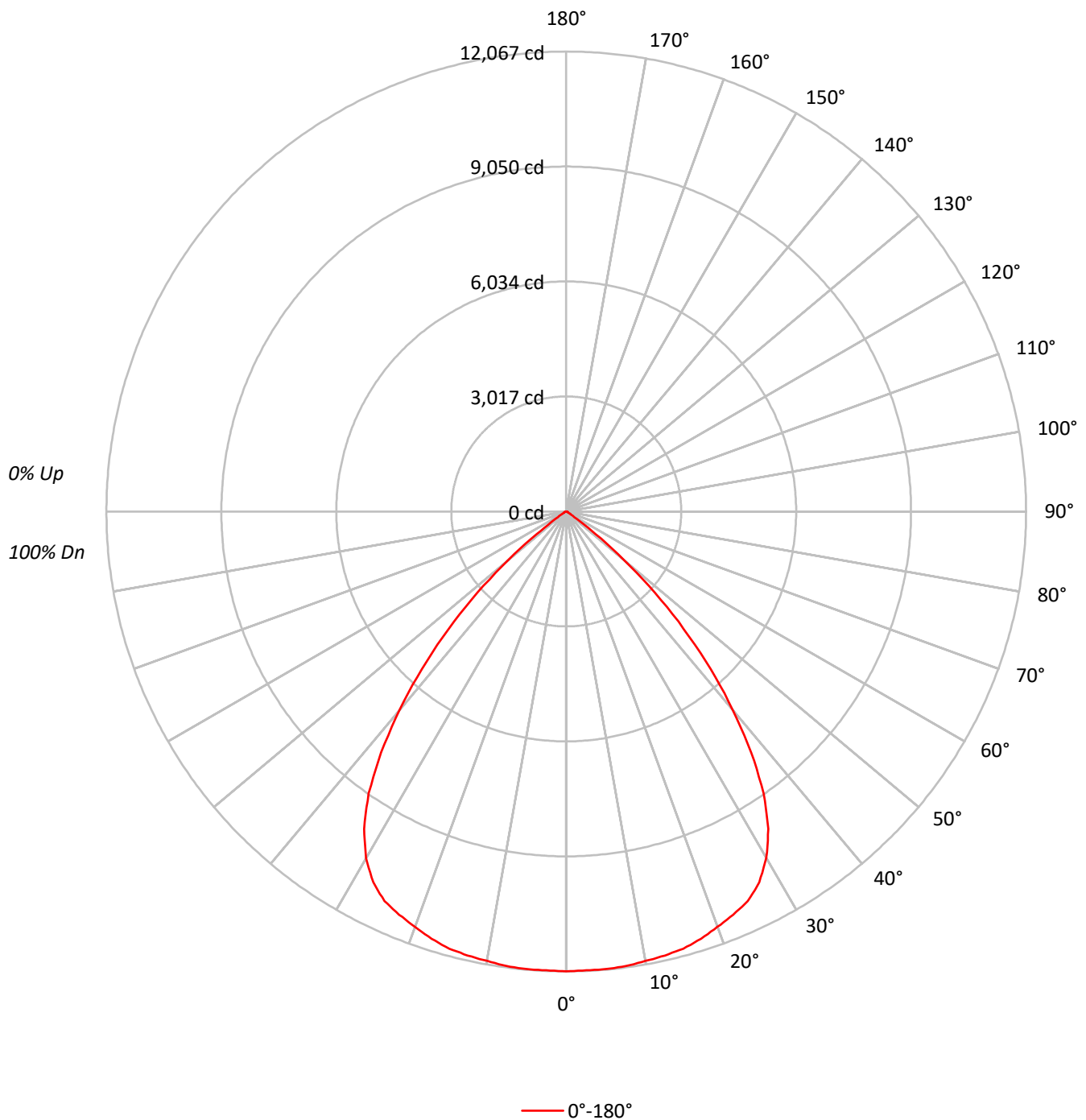
Lumens per Lamp: N/A
Luminaire Lumens: 19177.8 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.19
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 154.6
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	113	110	107	104		110	107	105	103		103	101	99		100	98	96		96	95	94
2	106	100	96	92		104	99	95	91		95	92	89		92	90	87		90	87	85
3	100	92	86	82		97	91	85	81		88	84	80		86	82	79		83	80	77
4	93	85	78	73		91	83	78	73		81	76	72		79	75	71		77	73	70
5	88	78	71	66		86	77	71	66		75	70	65		73	68	65		72	67	64
6	82	72	65	60		81	71	65	60		69	64	59		68	63	59		67	62	58
7	77	66	60	55		76	66	59	54		64	58	54		63	58	54		62	57	54
8	73	62	55	50		71	61	54	50		60	54	50		59	53	49		58	53	49
9	68	57	50	46		67	57	50	46		56	50	46		55	49	45		54	49	45
10	64	53	47	42		63	53	47	42		52	46	42		51	46	42		50	45	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69581
5°	66376
10°	63569
15°	61279
20°	58701
25°	56385
30°	52258
35°	45113
40°	34324
45°	22469
50°	10407
55°	1881
60°	453
65°	265
70°	250
75°	236
80°	201
85°	123

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 22469 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1148.2	6.0
10°-20°	3350.4	17.5
20°-30°	5164.6	26.9
30°-40°	5534.1	28.9
40°-50°	3343.1	17.4
50°-60°	538.6	2.8
60°-70°	48.4	0.3
70°-80°	35.0	0.2
80°-90°	15.5	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9663.1	50.4
0°-40°	15197.2	79.2
0°-60°	19078.9	99.5
0°-90°	19177.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19177.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12067	
5°	12054	###
15°	11874	3350
25°	11280	5165
35°	9034	5534
45°	4367	3343
55°	343	539
65°	44	48
75°	34	35
85°	14	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12066.7
2.5°	12050.7
5°	12054.1
7.5°	12030.5
10°	11976.6
12.5°	11933.7
15°	11873.9
17.5°	11754.4
20°	11602.9
22.5°	11451.4
25°	11279.7
27.5°	10971.6
30°	10499.3
32.5°	9871.4
35°	9033.8
37.5°	7974.9
40°	6798.1
42.5°	5615.4
45°	4367.1
47.5°	3165.9
50°	1968.9
52.5°	968.0
55°	343.4
57.5°	135.5
60°	79.1
62.5°	53.0
65°	43.8
67.5°	40.4
70°	38.7
72.5°	36.2
75°	33.7
77.5°	30.3
80°	26.1
82.5°	20.2
85°	14.3
87.5°	9.3
90°	0.0

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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	0.27	1.42	0.63	1.73	2.05	0.27	1.42	0.63	1.73	2.05
	3H	0.55	1.56	0.93	1.89	2.26	0.55	1.56	0.93	1.89	2.26
	4H	0.76	1.69	1.16	2.05	2.43	0.76	1.69	1.16	2.05	2.43
	6H	0.97	1.82	1.38	2.19	2.59	0.97	1.82	1.38	2.19	2.59
	8H	1.03	1.83	1.46	2.22	2.63	1.03	1.83	1.46	2.22	2.63
	12H	1.06	1.82	1.49	2.21	2.64	1.06	1.82	1.49	2.21	2.64
4H	2H	0.16	1.09	0.57	1.45	1.83	0.16	1.09	0.57	1.45	1.83
	3H	0.60	1.35	1.02	1.76	2.16	0.60	1.35	1.02	1.76	2.16
	4H	0.92	1.58	1.35	2.01	2.45	0.92	1.58	1.35	2.01	2.45
	6H	1.25	1.82	1.72	2.27	2.75	1.25	1.82	1.72	2.27	2.75
	8H	1.36	1.89	1.83	2.34	2.81	1.36	1.89	1.83	2.34	2.81
	12H	1.42	1.89	1.91	2.37	2.85	1.42	1.89	1.91	2.37	2.85
8H	4H	0.95	1.48	1.42	1.93	2.40	0.95	1.48	1.42	1.93	2.40
	6H	1.37	1.80	1.88	2.31	2.79	1.37	1.80	1.88	2.31	2.79
	8H	1.53	1.92	2.06	2.44	2.94	1.53	1.92	2.06	2.44	2.94
	12H	1.65	2.00	2.17	2.49	3.07	1.65	2.00	2.17	2.49	3.07
12H	4H	0.92	1.39	1.41	1.88	2.35	0.92	1.39	1.41	1.88	2.35
	6H	1.36	1.75	1.89	2.27	2.77	1.36	1.75	1.89	2.27	2.77
	8H	1.56	1.91	2.08	2.40	2.98	1.56	1.91	2.08	2.40	2.98

END OF REPORT