

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505320

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505320
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-92)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (5000K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

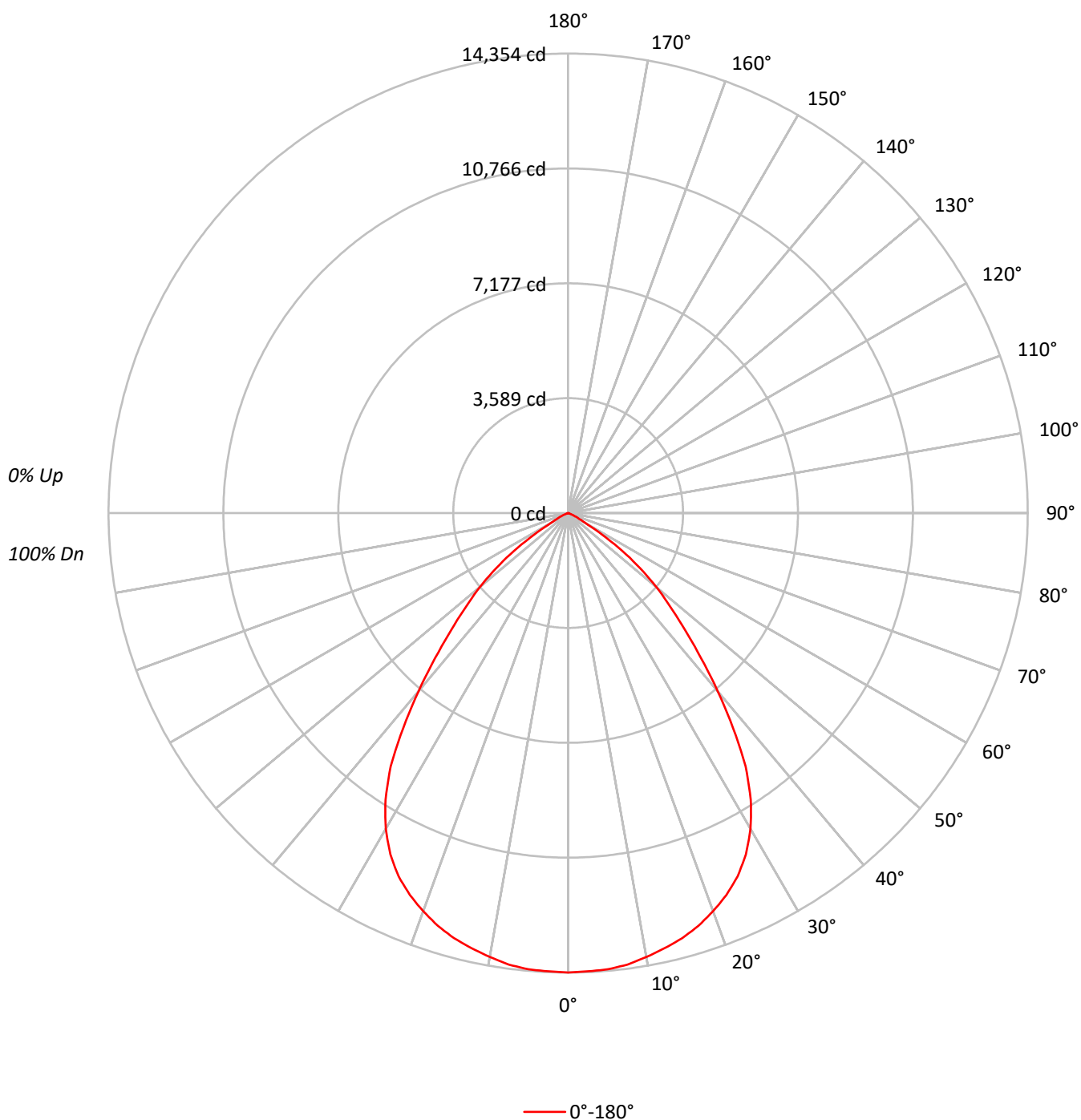
Lumens per Lamp: N/A
Luminaire Lumens: 23045.9 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 156.4
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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	44	65	55	48	44	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102799
5°	102842
10°	102401
15°	101956
20°	100878
25°	98958
30°	94189
35°	84453
40°	67848
45°	52154
50°	39994
55°	25842
60°	8359
65°	4047
70°	1091
75°	432
80°	503
85°	567

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1358.4	5.9
10°-20°	3875.3	16.8
20°-30°	5734.8	24.9
30°-40°	5926.3	25.7
40°-50°	4032.0	17.5
50°-60°	1828.5	7.9
60°-70°	260.0	1.1
70°-80°	23.3	0.1
80°-90°	7.3	0.0
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°	10968.4	47.6
0°-40°	16894.7	73.3
0°-60°	22755.2	98.7
0°-90°	23045.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23045.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14354	
5°	14305	###
15°	13751	3875
25°	12523	5735
35°	9659	5926
45°	5149	4032
55°	2070	1828
65°	239	260
75°	16	23
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14353.6
2.5°	14326.7
5°	14305.0
7.5°	14225.1
10°	14080.9
12.5°	13922.9
15°	13750.9
17.5°	13520.7
20°	13235.9
22.5°	12913.7
25°	12522.8
27.5°	12022.6
30°	11389.5
32.5°	10619.1
35°	9659.4
37.5°	8460.9
40°	7257.1
42.5°	6144.6
45°	5149.3
47.5°	4308.6
50°	3589.5
52.5°	2840.8
55°	2069.6
57.5°	1272.3
60°	583.6
62.5°	379.5
65°	238.8
67.5°	125.1
70°	52.1
72.5°	26.1
75°	15.6
77.5°	14.8
80°	12.2
82.5°	9.6
85°	6.9
87.5°	4.3
90°	0.0

(END OF REPORT)