

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: P1505515

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505515
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-116)
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-06-BLAK-PS (6500K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

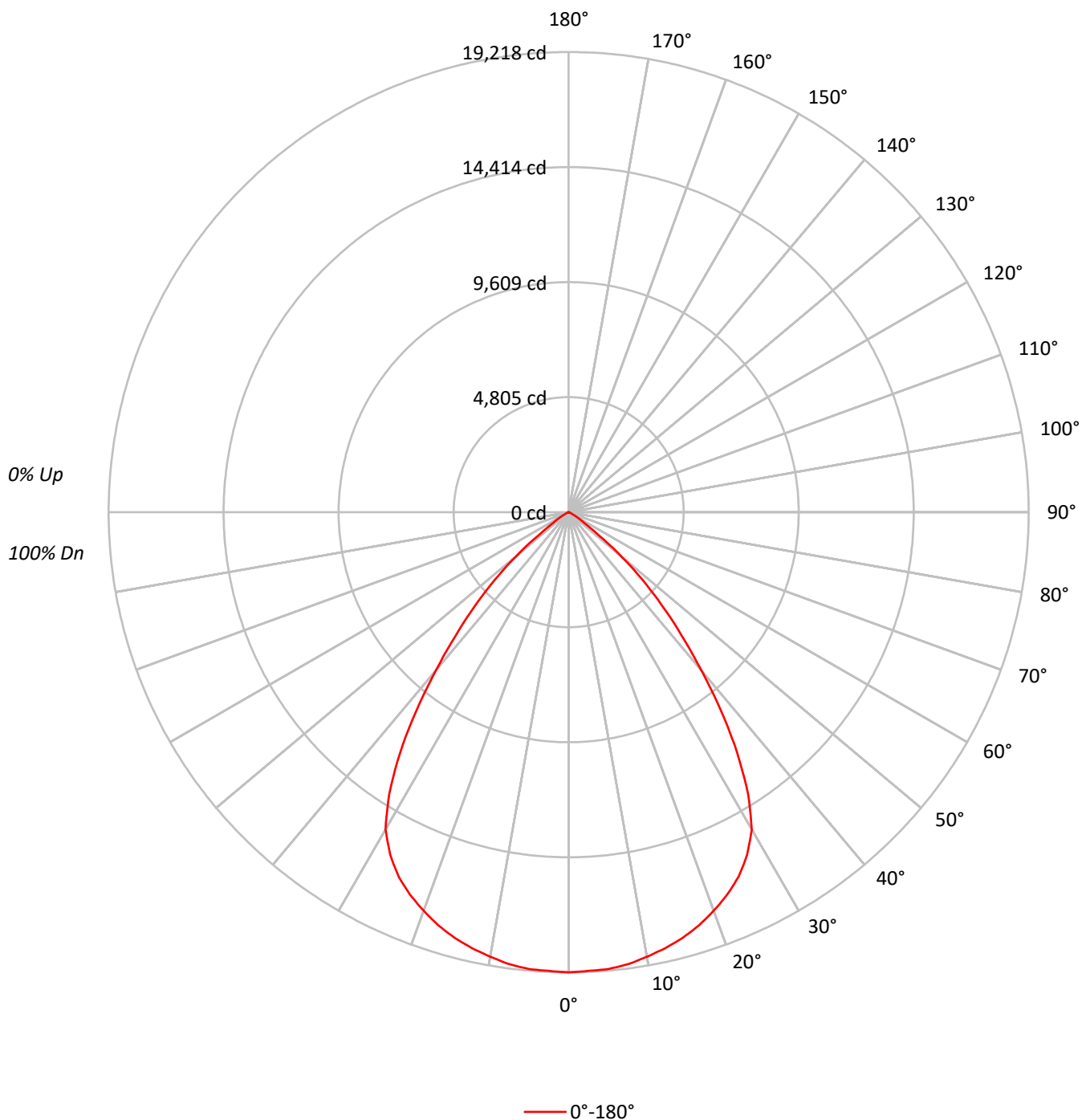
Lumens per Lamp: N/A
Luminaire Lumens: 27717.5 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 239.6
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	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	100							
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92							
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	85	84							
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76							
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69							
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63							
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58							
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53							
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49							
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45							
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122438
5°	122471
10°	121954
15°	121401
20°	120088
25°	118062
30°	112564
35°	95530
40°	71701
45°	49765
50°	28569
55°	9202
60°	4241
65°	1183
70°	764
75°	807
80°	859
85°	855

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49765 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1818.4	6.6
10°-20°	5187.5	18.7
20°-30°	7691.1	27.7
30°-40°	7559.7	27.3
40°-50°	4284.1	15.5
50°-60°	1012.2	3.7
60°-70°	117.1	0.4
70°-80°	34.5	0.1
80°-90°	13.1	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°	14697.0	53.0
0°-40°	22256.7	80.3
0°-60°	27552.9	99.4
0°-90°	27717.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27717.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19218	
5°	19150	###
15°	18406	5188
25°	16795	7691
35°	12282	7560
45°	5523	4284
55°	828	1012
65°	78	117
75°	33	34
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19217.6
2.5°	19176.5
5°	19149.6
7.5°	19041.8
10°	18850.8
12.5°	18648.1
15°	18405.6
17.5°	18095.1
20°	17712.0
22.5°	17299.5
25°	16794.6
27.5°	16141.9
30°	15300.7
32.5°	13955.6
35°	12282.5
37.5°	10466.4
40°	8621.1
42.5°	6979.6
45°	5523.2
47.5°	4182.8
50°	2882.3
52.5°	1620.4
55°	828.4
57.5°	548.3
60°	332.8
62.5°	164.0
65°	78.5
67.5°	49.2
70°	41.0
72.5°	37.5
75°	32.8
77.5°	28.1
80°	23.4
82.5°	17.6
85°	11.7
87.5°	7.0
90°	0.0

(END OF REPORT)