

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: P1505482

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505482
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 (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

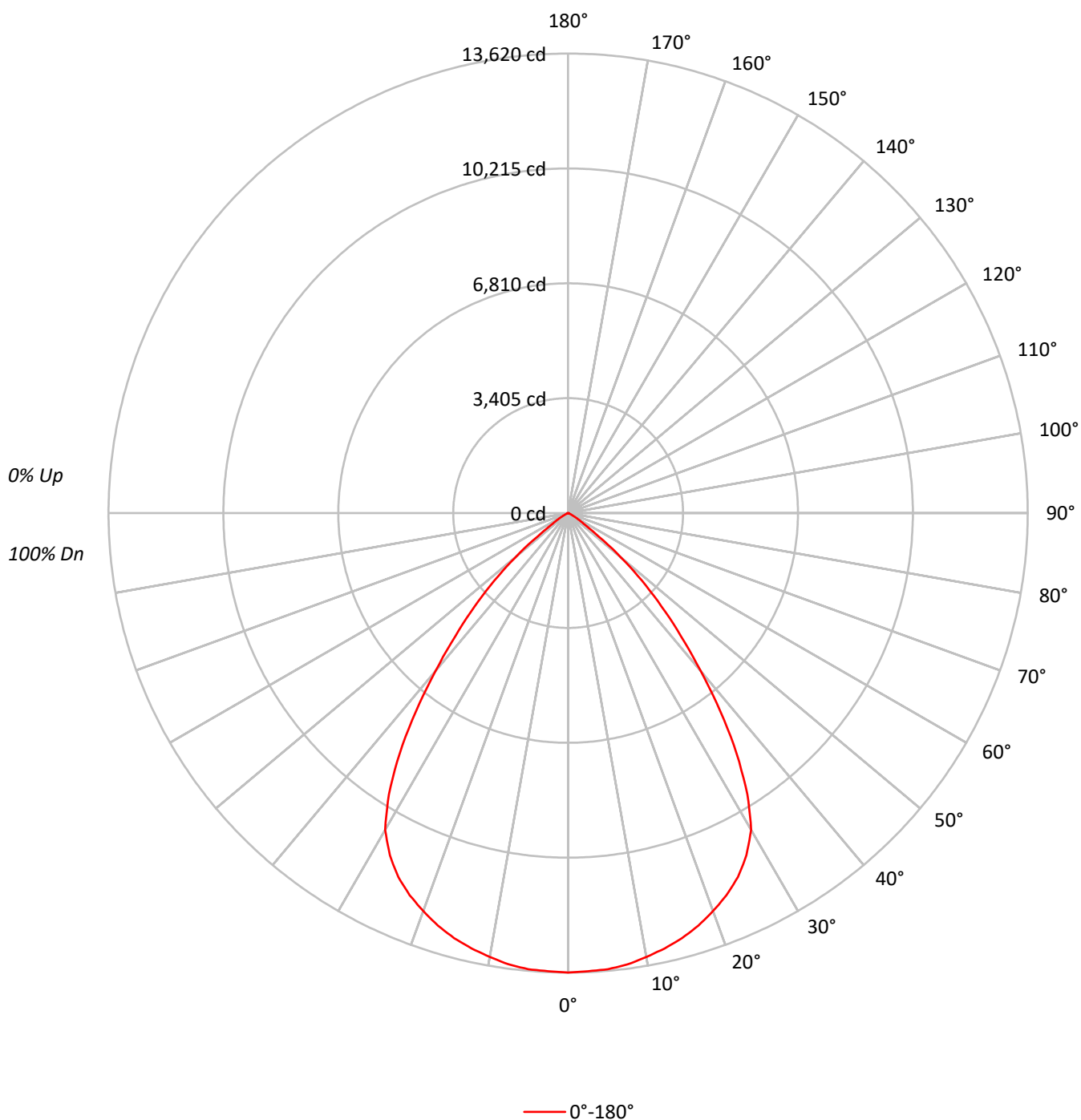
Lumens per Lamp: N/A
Luminaire Lumens: 19644.6 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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°	86777
5°	86801
10°	86434
15°	86042
20°	85111
25°	83675
30°	79779
35°	67706
40°	50817
45°	35270
50°	20248
55°	6521
60°	3005
65°	838
70°	542
75°	574
80°	609
85°	607

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35270 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1288.8	6.6
10°-20°	3676.6	18.7
20°-30°	5451.0	27.7
30°-40°	5357.9	27.3
40°-50°	3036.3	15.5
50°-60°	717.4	3.7
60°-70°	83.0	0.4
70°-80°	24.5	0.1
80°-90°	9.3	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°	10416.4	53.0
0°-40°	15774.3	80.3
0°-60°	19527.9	99.4
0°-90°	19644.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19644.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13620	
5°	13572	###
15°	13045	3677
25°	11903	5451
35°	8705	5358
45°	3914	3036
55°	587	717
65°	56	83
75°	23	24
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	13620.3
2.5°	13591.3
5°	13572.2
7.5°	13495.8
10°	13360.4
12.5°	13216.7
15°	13044.8
17.5°	12824.8
20°	12553.2
22.5°	12260.9
25°	11903.0
27.5°	11440.5
30°	10844.3
32.5°	9891.0
35°	8705.1
37.5°	7418.0
40°	6110.1
42.5°	4946.7
45°	3914.5
47.5°	2964.5
50°	2042.8
52.5°	1148.5
55°	587.1
57.5°	388.6
60°	235.8
62.5°	116.3
65°	55.6
67.5°	34.9
70°	29.1
72.5°	26.6
75°	23.3
77.5°	19.9
80°	16.6
82.5°	12.5
85°	8.3
87.5°	5.0
90°	0.0

(END OF REPORT)