

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: P1504944

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504944
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-81)
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-A-04-BLAK-PS (3500K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

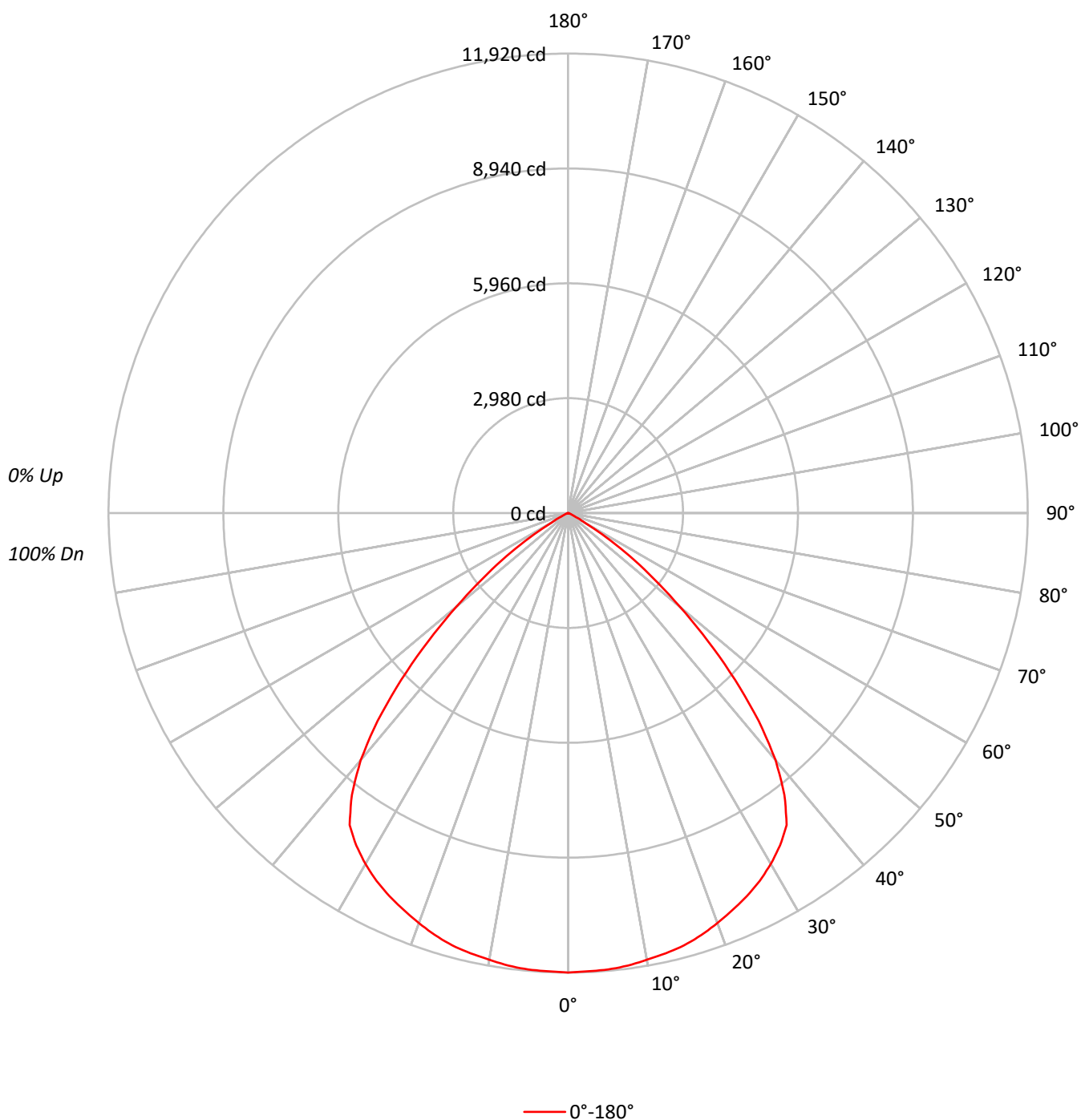
Lumens per Lamp: N/A
Luminaire Lumens: 22188.4 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102			100
1	112	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75			73
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67			65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54			53
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49			48
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45			43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41			39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38			36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87468
5°	87551
10°	87666
15°	88207
20°	88393
25°	88785
30°	89073
35°	88495
40°	80154
45°	63490
50°	43075
55°	25007
60°	7410
65°	2393
70°	820
75°	493
80°	596
85°	766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63490 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1130.8	5.1
10°-20°	3277.2	14.8
20°-30°	5055.8	22.8
30°-40°	6061.2	27.3
40°-50°	4677.7	21.1
50°-60°	1779.4	8.0
60°-70°	175.4	0.8
70°-80°	21.8	0.1
80°-90°	9.2	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°	9463.7	42.7
0°-40°	15524.9	70.0
0°-60°	21982.0	99.1
0°-90°	22188.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22188.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11920	
5°	11886	###
15°	11612	3277
25°	10966	5056
35°	9879	6061
45°	6118	4678
55°	1955	1779
65°	138	175
75°	17	22
85°	9	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11920.5
2.5°	11896.4
5°	11886.4
7.5°	11842.4
10°	11766.0
12.5°	11697.9
15°	11611.6
17.5°	11481.2
20°	11320.1
22.5°	11141.6
25°	10966.3
27.5°	10759.6
30°	10512.9
32.5°	10224.8
35°	9879.3
37.5°	9212.5
40°	8368.0
42.5°	7310.9
45°	6118.4
47.5°	4915.2
50°	3773.4
52.5°	2797.6
55°	1954.8
57.5°	1166.7
60°	504.9
62.5°	232.5
65°	137.8
67.5°	75.6
70°	38.2
72.5°	23.3
75°	17.4
77.5°	15.8
80°	14.1
82.5°	12.5
85°	9.1
87.5°	5.0
90°	0.0

(END OF REPORT)