

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: P1505134

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505134
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-104)
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-06-BLAK-PS (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

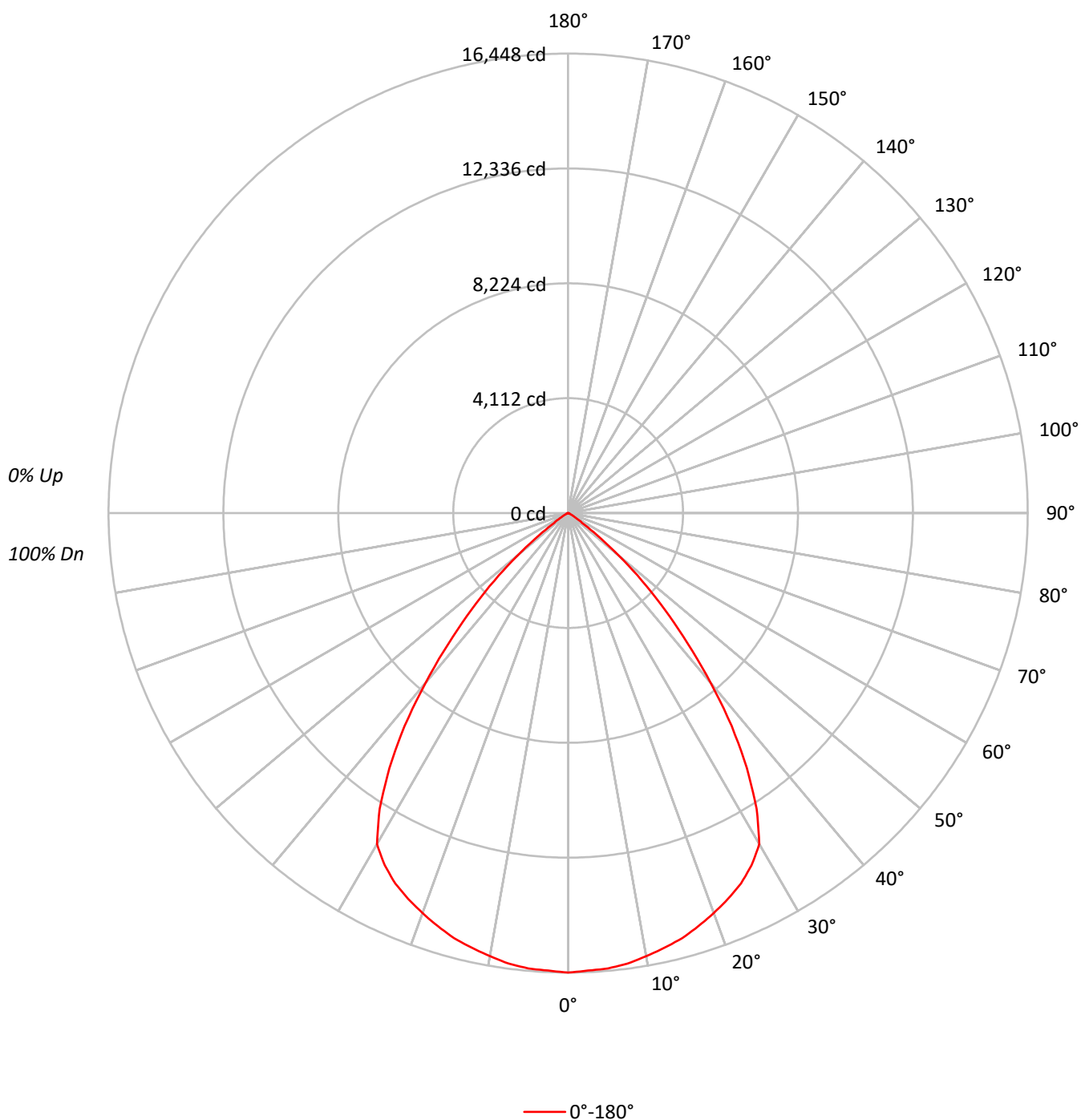
Lumens per Lamp: N/A
Luminaire Lumens: 24295.1 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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	92	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76							
4	94	85	79	74	92	84	78	73	82	77	73	80	75	72	78	74	71	69							
5	88	78	72	67	86	77	71	66	76	70	66	74	69	65	72	68	65	63							
6	83	72	66	61	81	72	65	60	70	64	60	69	63	60	67	63	59	58							
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	63	58	54	53							
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	54	50	48							
9	69	58	51	47	68	57	51	47	56	51	46	55	50	46	55	50	46	45							
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109723
5°	109569
10°	109087
15°	108815
20°	108179
25°	107693
30°	105374
35°	90768
40°	69095
45°	45958
50°	24595
55°	7003
60°	3125
65°	974
70°	733
75°	809
80°	884
85°	957

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 45958 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1553.7	6.4
10°-20°	4443.1	18.3
20°-30°	6720.5	27.7
30°-40°	6857.5	28.2
40°-50°	3801.5	15.6
50°-60°	785.9	3.2
60°-70°	87.1	0.4
70°-80°	32.8	0.1
80°-90°	13.1	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°	12717.3	52.3
0°-40°	19574.8	80.6
0°-60°	24162.1	99.5
0°-90°	24295.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24295.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16448	
5°	16362	###
15°	15756	4443
25°	14631	6720
35°	11146	6857
45°	4872	3801
55°	602	786
65°	62	87
75°	31	33
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16448.0
2.5°	16394.7
5°	16362.3
7.5°	16267.1
10°	16104.1
12.5°	15937.8
15°	15756.0
17.5°	15507.2
20°	15238.5
22.5°	14950.0
25°	14631.1
27.5°	14215.1
30°	13679.8
32.5°	12550.8
35°	11145.8
37.5°	9612.3
40°	7934.4
42.5°	6328.7
45°	4871.5
47.5°	3584.6
50°	2369.9
52.5°	1289.0
55°	602.1
57.5°	387.8
60°	234.2
62.5°	116.0
65°	61.7
67.5°	41.8
70°	37.6
72.5°	34.5
75°	31.4
77.5°	28.2
80°	23.0
82.5°	17.8
85°	12.5
87.5°	6.3
90°	0.0

(END OF REPORT)