

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: P1505323

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505323
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_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

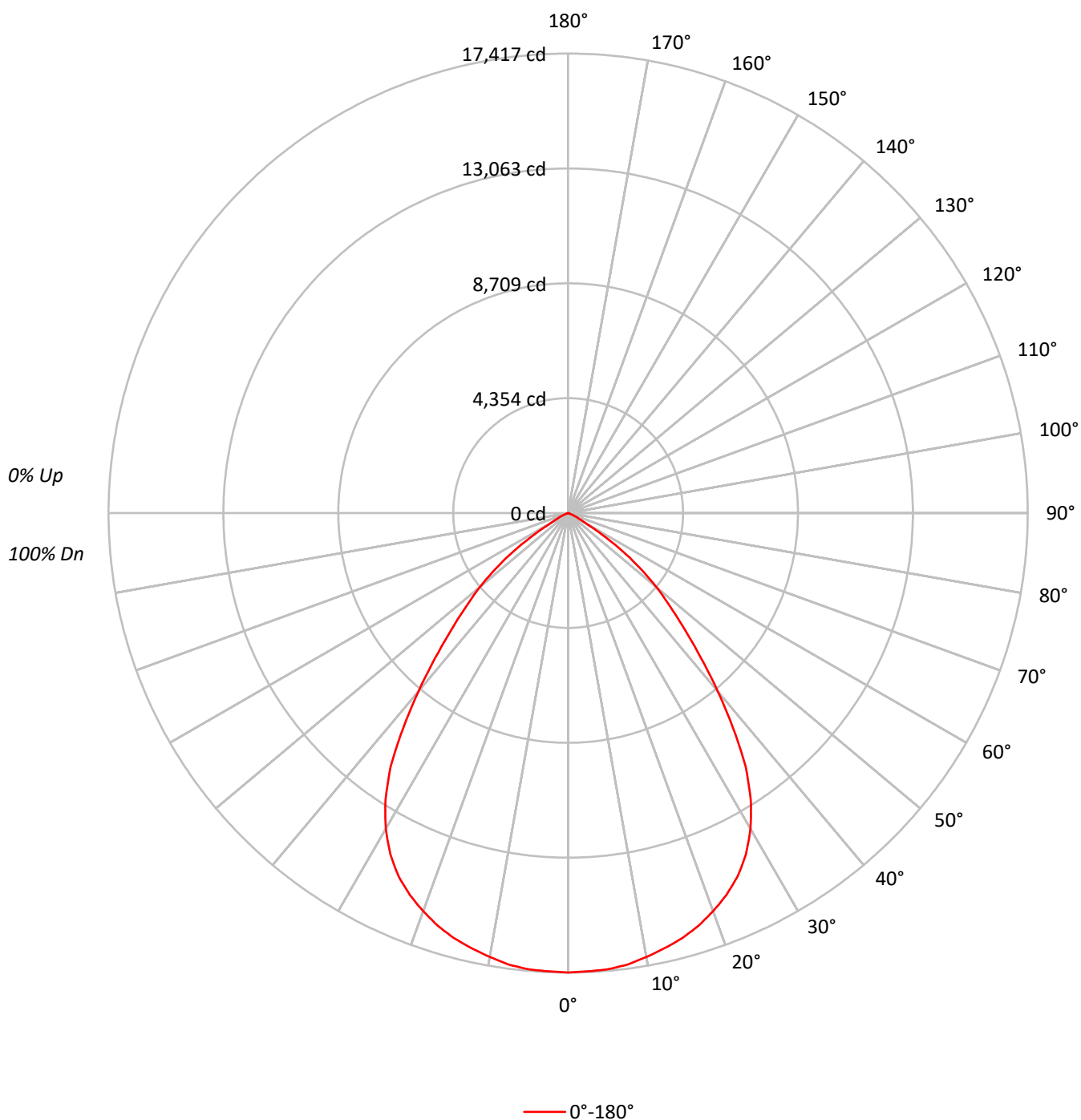
Lumens per Lamp: N/A
Luminaire Lumens: 27964.0 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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					0
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°	124736
5°	124788
10°	124254
15°	123714
20°	122405
25°	120076
30°	114288
35°	102475
40°	82327
45°	63284
50°	48529
55°	31357
60°	10144
65°	4911
70°	1323
75°	526
80°	610
85°	690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63284 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1648.2	5.9
10°-20°	4702.3	16.8
20°-30°	6958.6	24.9
30°-40°	7191.0	25.7
40°-50°	4892.5	17.5
50°-60°	2218.8	7.9
60°-70°	315.5	1.1
70°-80°	28.3	0.1
80°-90°	8.9	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°	13309.1	47.6
0°-40°	20500.0	73.3
0°-60°	27611.2	98.7
0°-90°	27964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27964.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17417	
5°	17358	###
15°	16685	4702
25°	15195	6959
35°	11721	7191
45°	6248	4892
55°	2511	2219
65°	290	316
75°	19	28
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17416.7
2.5°	17384.0
5°	17357.6
7.5°	17260.7
10°	17085.8
12.5°	16894.0
15°	16685.3
17.5°	16406.0
20°	16060.4
22.5°	15669.4
25°	15195.2
27.5°	14588.2
30°	13819.9
32.5°	12885.2
35°	11720.7
37.5°	10266.4
40°	8805.8
42.5°	7455.9
45°	6248.2
47.5°	5228.1
50°	4355.5
52.5°	3447.1
55°	2511.3
57.5°	1543.9
60°	708.2
62.5°	460.5
65°	289.8
67.5°	151.8
70°	63.2
72.5°	31.6
75°	19.0
77.5°	17.9
80°	14.8
82.5°	11.6
85°	8.4
87.5°	5.3
90°	0.0

(END OF REPORT)