

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: P1505305

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505305
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 (3500K_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

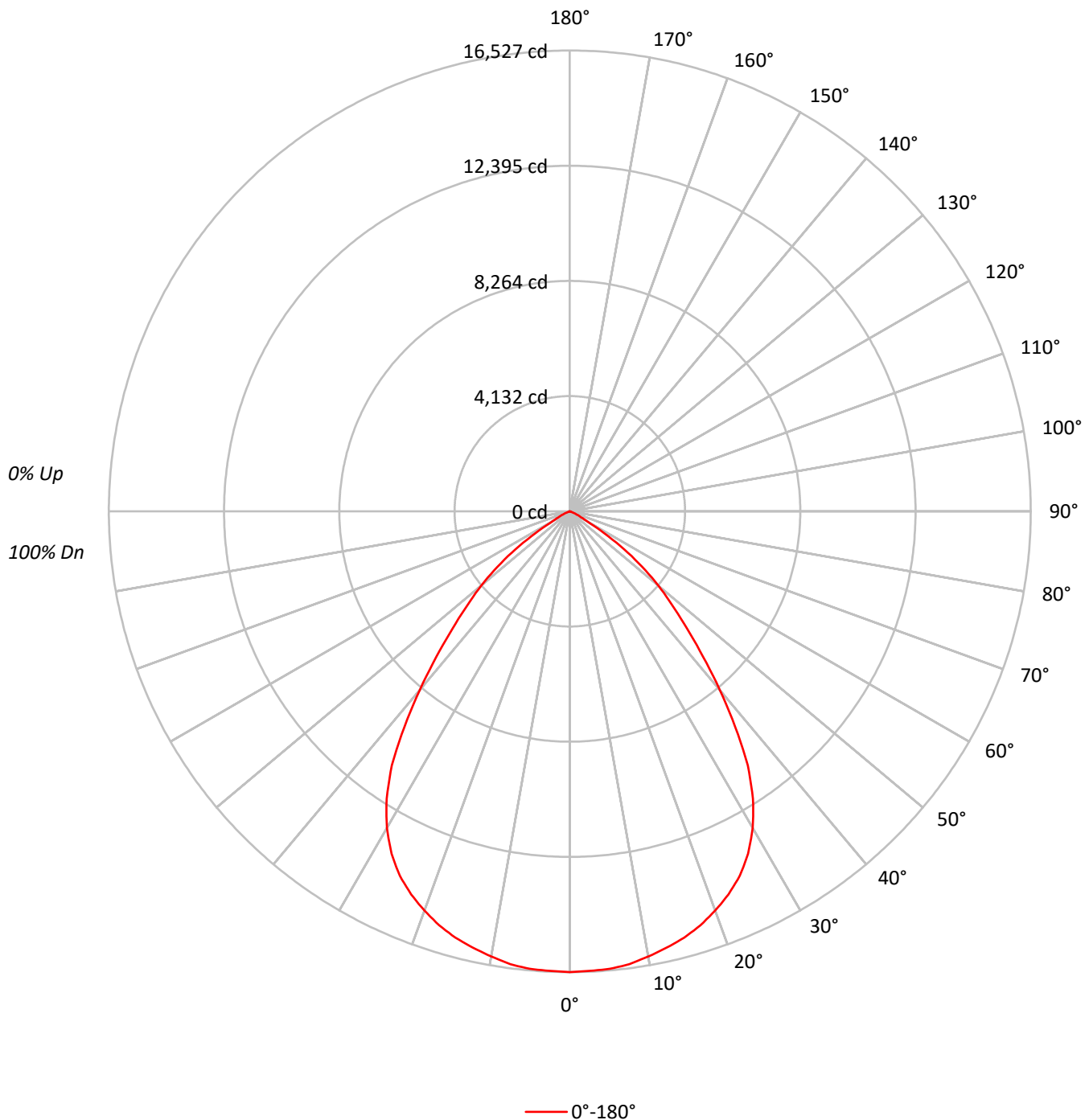
Lumens per Lamp: N/A
Luminaire Lumens: 26535.5 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 195.8
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	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°	118364
5°	118414
10°	117907
15°	117394
20°	116152
25°	113943
30°	108450
35°	97240
40°	78122
45°	60051
50°	46049
55°	29755
60°	9626
65°	4660
70°	1256
75°	498
80°	577
85°	657

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 60051 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1564.0	5.9
10°-20°	4462.1	16.8
20°-30°	6603.1	24.9
30°-40°	6823.6	25.7
40°-50°	4642.5	17.5
50°-60°	2105.4	7.9
60°-70°	299.4	1.1
70°-80°	26.8	0.1
80°-90°	8.4	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°	12629.2	47.6
0°-40°	19452.9	73.3
0°-60°	26200.8	98.7
0°-90°	26535.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26535.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16527	
5°	16471	###
15°	15833	4462
25°	14419	6603
35°	11122	6824
45°	5929	4643
55°	2383	2105
65°	275	299
75°	18	27
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16527
2.5°	16496
5°	16471
7.5°	16379
10°	16213
12.5°	16031
15°	15833
17.5°	15568
20°	15240
22.5°	14869
25°	14419
27.5°	13843
30°	13114
32.5°	12227
35°	11122
37.5°	9742
40°	8356
42.5°	7075
45°	5929
47.5°	4961
50°	4133
52.5°	3271
55°	2383
57.5°	1465
60°	672
62.5°	437
65°	275
67.5°	144
70°	60
72.5°	30
75°	18
77.5°	17
80°	14
82.5°	11
85°	8
87.5°	5
90°	0

(END OF REPORT)