

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: P1505506

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505506
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 (5000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

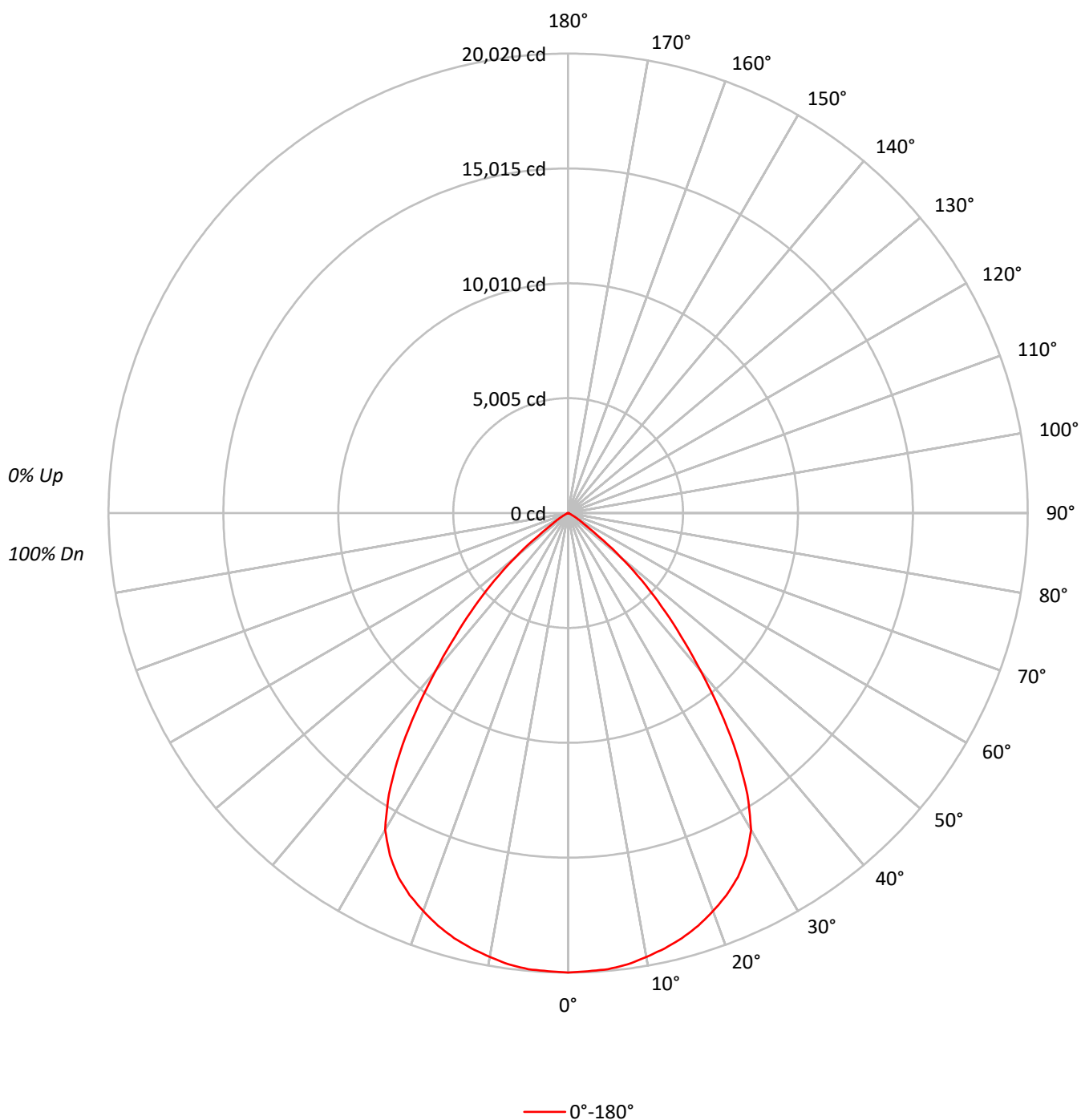
Lumens per Lamp: N/A
Luminaire Lumens: 28875.5 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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
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°	127553
5°	127587
10°	127049
15°	126473
20°	125104
25°	122994
30°	117266
35°	99521
40°	74696
45°	51844
50°	29762
55°	9586
60°	4418
65°	1233
70°	795
75°	842
80°	895
85°	892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51844 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1894.3	6.6
10°-20°	5404.2	18.7
20°-30°	8012.4	27.7
30°-40°	7875.5	27.3
40°-50°	4463.0	15.5
50°-60°	1054.4	3.7
60°-70°	122.0	0.4
70°-80°	35.9	0.1
80°-90°	13.6	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°	15311.0	53.0
0°-40°	23186.5	80.3
0°-60°	28704.0	99.4
0°-90°	28875.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28875.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20020	
5°	19950	###
15°	19174	5404
25°	17496	8012
35°	12796	7876
45°	5754	4463
55°	863	1054
65°	82	122
75°	34	36
85°	12	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20020.4
2.5°	19977.7
5°	19949.6
7.5°	19837.3
10°	19638.4
12.5°	19427.2
15°	19174.5
17.5°	18851.1
20°	18451.9
22.5°	18022.3
25°	17496.2
27.5°	16816.3
30°	15939.9
32.5°	14538.7
35°	12795.6
37.5°	10903.7
40°	8981.2
42.5°	7271.2
45°	5753.9
47.5°	4357.6
50°	3002.7
52.5°	1688.1
55°	863.0
57.5°	571.2
60°	346.7
62.5°	170.9
65°	81.8
67.5°	51.3
70°	42.7
72.5°	39.1
75°	34.2
77.5°	29.3
80°	24.4
82.5°	18.3
85°	12.2
87.5°	7.3
90°	0.0

(END OF REPORT)