

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: P1505488

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505488
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 (3500K_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

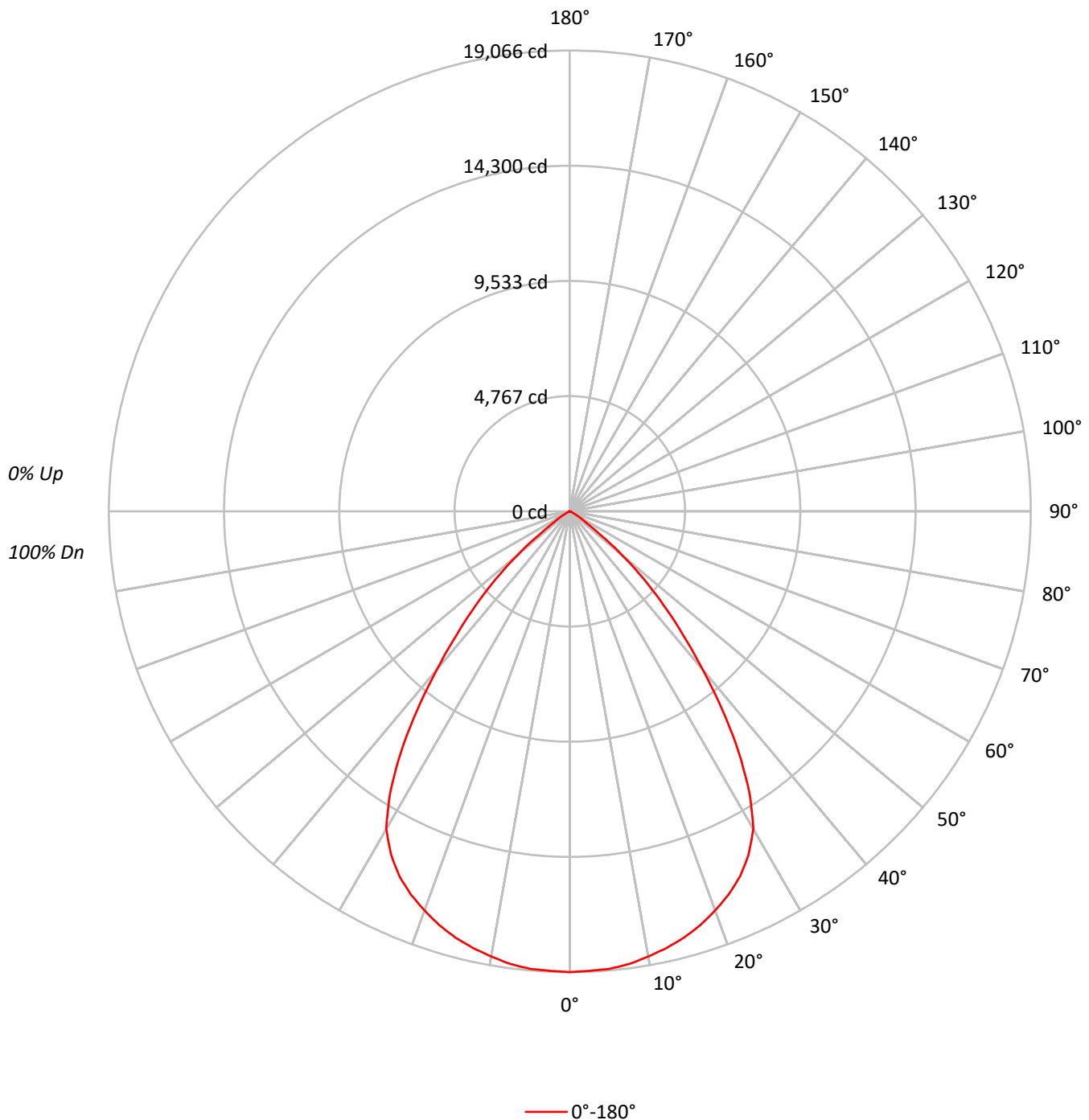
Lumens per Lamp: N/A
Luminaire Lumens: 27499.5 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
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°	121475
5°	121508
10°	120995
15°	120446
20°	119143
25°	117134
30°	111679
35°	94779
40°	71137
45°	49374
50°	28344
55°	9128
60°	4206
65°	1174
70°	758
75°	800
80°	851
85°	848

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 49374 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1804.1	6.6
10°-20°	5146.7	18.7
20°-30°	7630.6	27.7
30°-40°	7500.3	27.3
40°-50°	4250.4	15.5
50°-60°	1004.2	3.7
60°-70°	116.1	0.4
70°-80°	34.2	0.1
80°-90°	13.0	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°	14581.4	53.0
0°-40°	22081.7	80.3
0°-60°	27336.2	99.4
0°-90°	27499.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27499.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19066	
5°	18999	###
15°	18261	5147
25°	16662	7631
35°	12186	7500
45°	5480	4250
55°	822	1004
65°	78	116
75°	32	34
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19066.4
2.5°	19025.7
5°	18999.0
7.5°	18892.0
10°	18702.6
12.5°	18501.5
15°	18260.8
17.5°	17952.8
20°	17572.7
22.5°	17163.5
25°	16662.5
27.5°	16015.0
30°	15180.4
32.5°	13845.9
35°	12185.9
37.5°	10384.1
40°	8553.3
42.5°	6924.7
45°	5479.8
47.5°	4149.9
50°	2859.6
52.5°	1607.7
55°	821.8
57.5°	544.0
60°	330.1
62.5°	162.7
65°	77.9
67.5°	48.8
70°	40.7
72.5°	37.2
75°	32.5
77.5°	27.9
80°	23.2
82.5°	17.4
85°	11.6
87.5°	7.0
90°	0.0

(END OF REPORT)