

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: P1505137

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505137
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_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

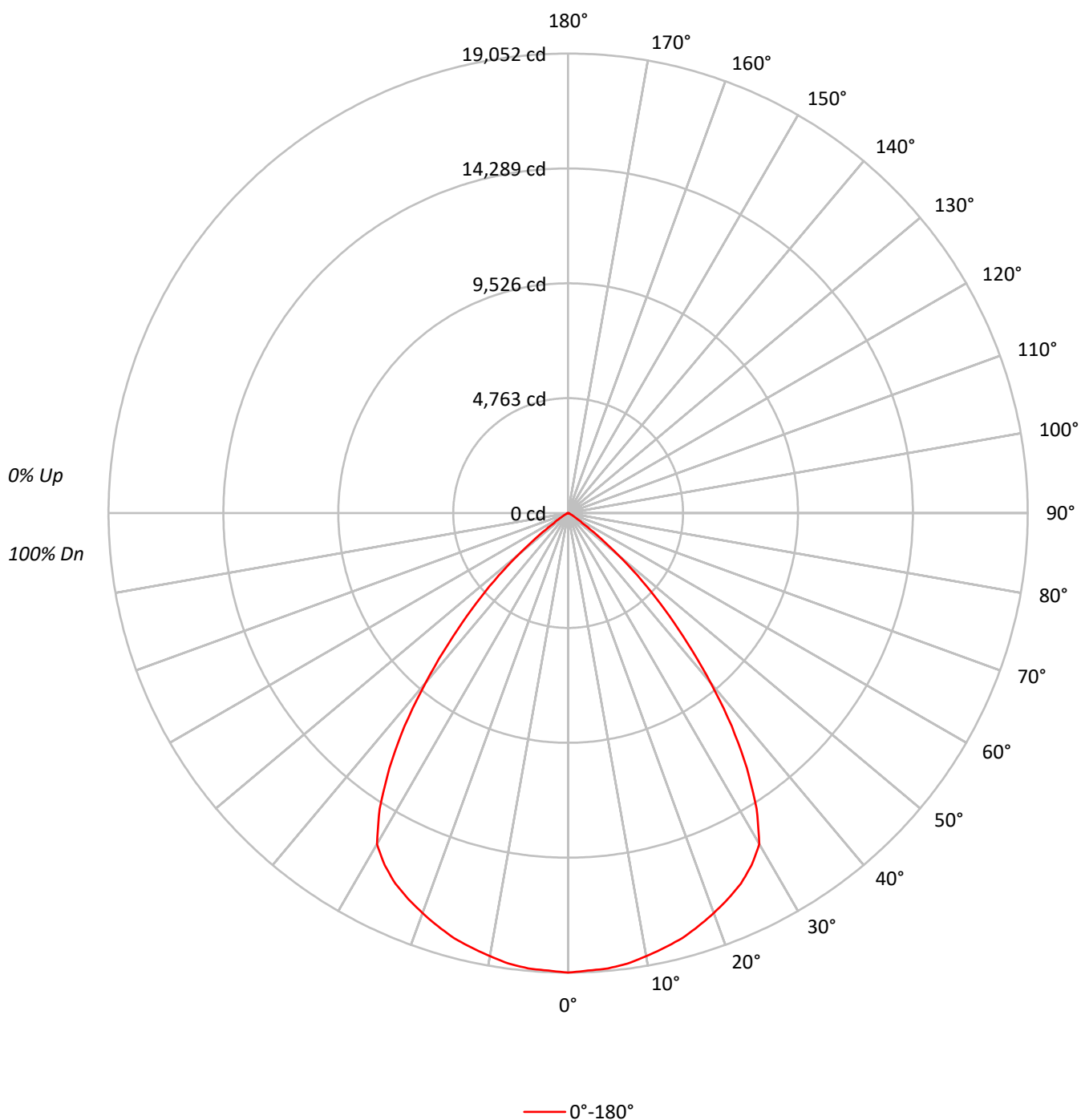
Lumens per Lamp: N/A
Luminaire Lumens: 28141.2 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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°	127093
5°	126914
10°	126355
15°	126040
20°	125304
25°	124742
30°	122056
35°	105138
40°	80033
45°	53233
50°	28488
55°	8112
60°	3618
65°	1127
70°	850
75°	936
80°	1022
85°	1110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53233 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1799.7	6.4
10°-20°	5146.4	18.3
20°-30°	7784.4	27.7
30°-40°	7943.1	28.2
40°-50°	4403.3	15.6
50°-60°	910.3	3.2
60°-70°	100.8	0.4
70°-80°	38.0	0.1
80°-90°	15.2	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°	14730.5	52.3
0°-40°	22673.6	80.6
0°-60°	27987.1	99.5
0°-90°	28141.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28141.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19052	
5°	18952	###
15°	18250	5146
25°	16947	7784
35°	12910	7943
45°	5643	4403
55°	698	910
65°	71	101
75°	36	38
85°	14	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19051.8
2.5°	18990.1
5°	18952.5
7.5°	18842.3
10°	18653.4
12.5°	18460.9
15°	18250.2
17.5°	17962.0
20°	17650.8
22.5°	17316.6
25°	16947.3
27.5°	16465.4
30°	15845.4
32.5°	14537.7
35°	12910.3
37.5°	11133.9
40°	9190.5
42.5°	7330.6
45°	5642.6
47.5°	4152.1
50°	2745.0
52.5°	1493.0
55°	697.5
57.5°	449.2
60°	271.2
62.5°	134.4
65°	71.4
67.5°	48.4
70°	43.6
72.5°	40.0
75°	36.3
77.5°	32.7
80°	26.6
82.5°	20.6
85°	14.5
87.5°	7.3
90°	0.0

(END OF REPORT)