

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: P1505131

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505131
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_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

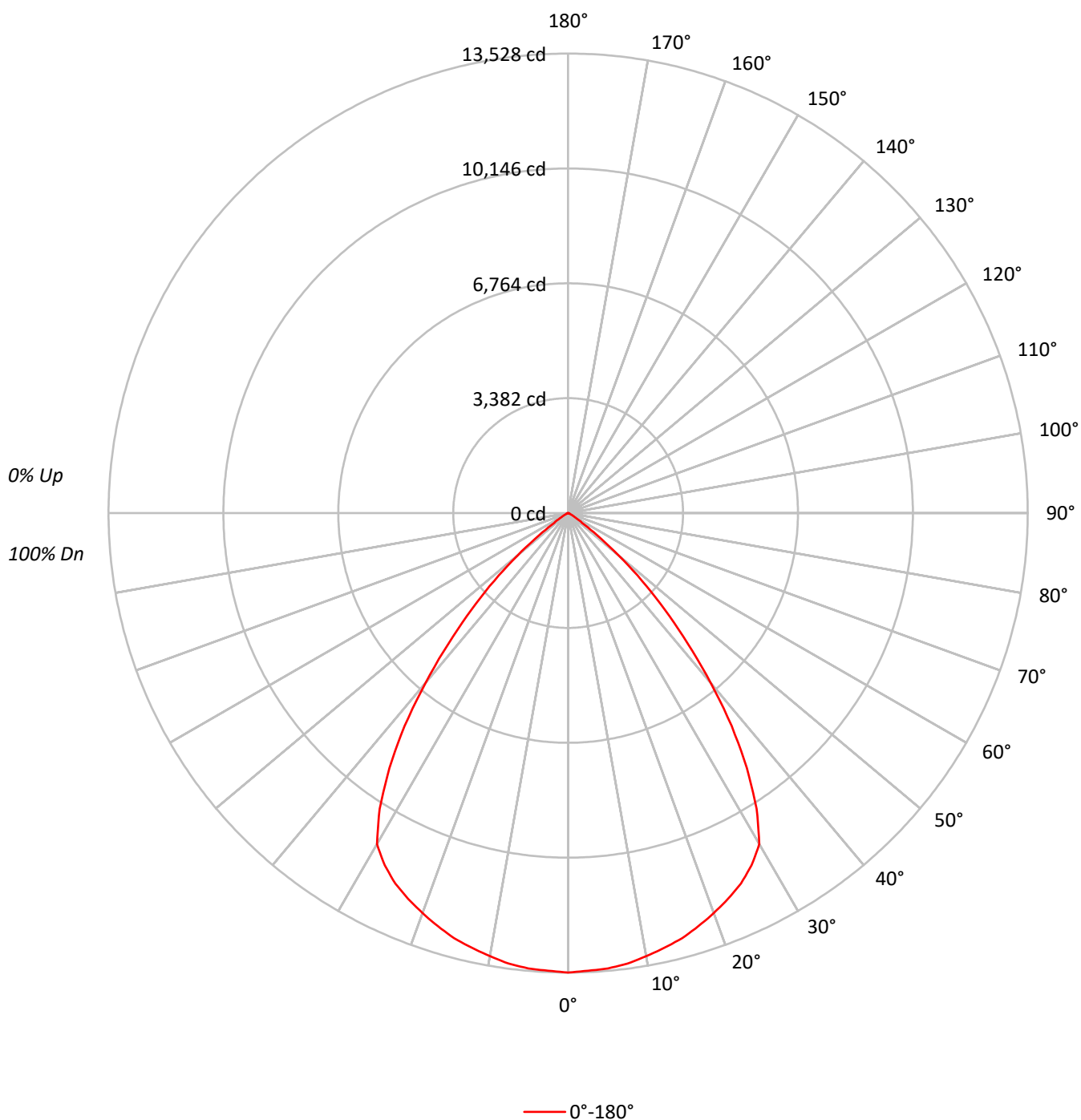
Lumens per Lamp: N/A
Luminaire Lumens: 19982.6 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 155.7
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°	90246
5°	90119
10°	89723
15°	89499
20°	88976
25°	88577
30°	86669
35°	74657
40°	56830
45°	37800
50°	20229
55°	5761
60°	2570
65°	800
70°	605
75°	665
80°	726
85°	788

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37800 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1277.9	6.4
10°-20°	3654.4	18.3
20°-30°	5527.5	27.7
30°-40°	5640.2	28.2
40°-50°	3126.7	15.6
50°-60°	646.4	3.2
60°-70°	71.6	0.4
70°-80°	27.0	0.1
80°-90°	10.8	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°	10459.9	52.3
0°-40°	16100.1	80.6
0°-60°	19873.2	99.5
0°-90°	19982.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19982.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13528	
5°	13458	###
15°	12959	3654
25°	12034	5528
35°	9167	5640
45°	4007	3127
55°	495	646
65°	51	72
75°	26	27
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13528.3
2.5°	13484.5
5°	13457.8
7.5°	13379.6
10°	13245.5
12.5°	13108.7
15°	12959.1
17.5°	12754.5
20°	12533.5
22.5°	12296.2
25°	12034.0
27.5°	11691.8
30°	11251.5
32.5°	10322.9
35°	9167.4
37.5°	7906.0
40°	6526.0
42.5°	5205.3
45°	4006.7
47.5°	2948.3
50°	1949.2
52.5°	1060.2
55°	495.3
57.5°	319.0
60°	192.6
62.5°	95.4
65°	50.7
67.5°	34.4
70°	31.0
72.5°	28.4
75°	25.8
77.5°	23.2
80°	18.9
82.5°	14.6
85°	10.3
87.5°	5.2
90°	0.0

(END OF REPORT)