

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: P1505149

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505149
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 (6500K_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

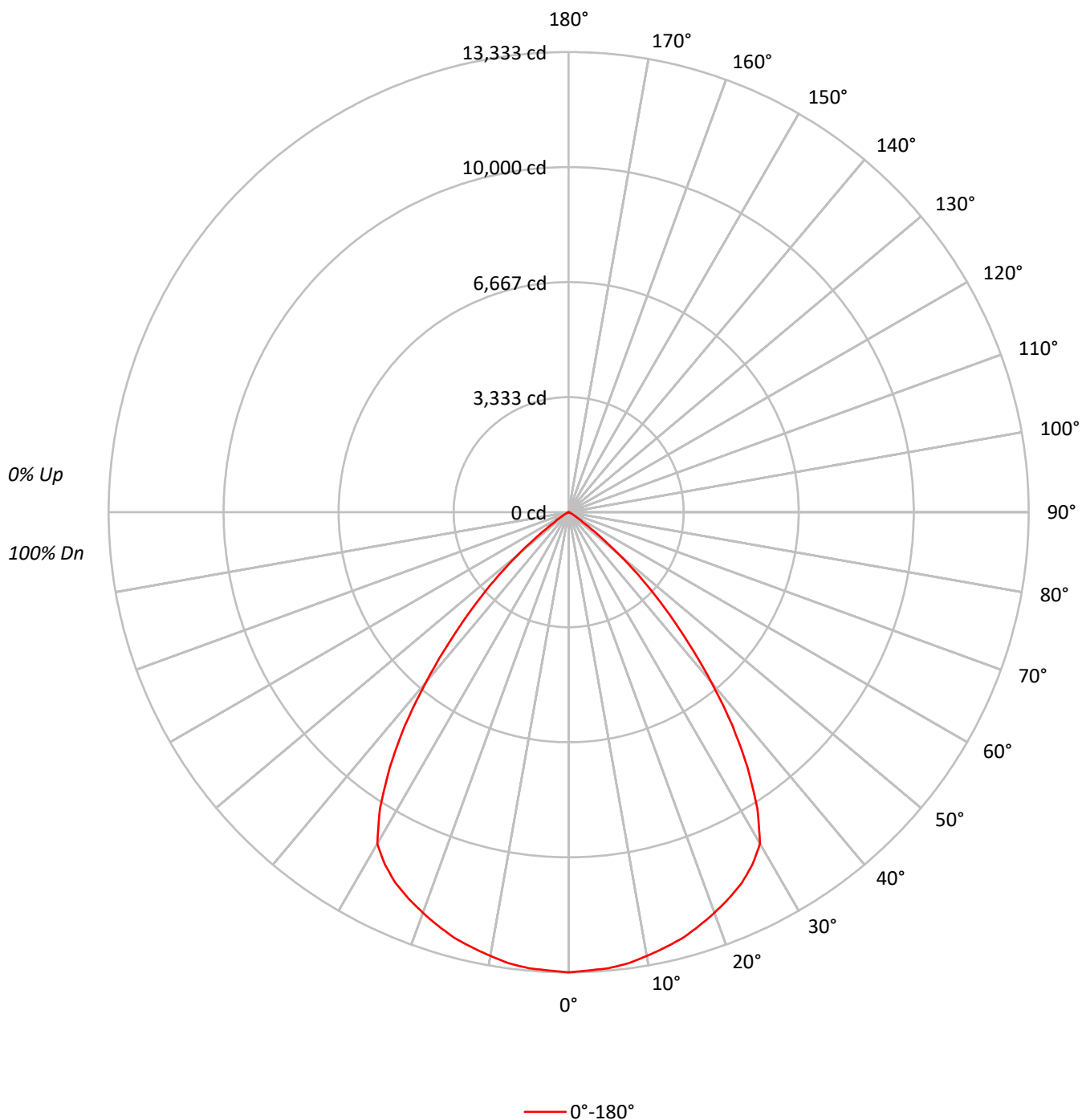
Lumens per Lamp: N/A
Luminaire Lumens: 19694.3 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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	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°	88945
5°	88819
10°	88428
15°	88208
20°	87692
25°	87299
30°	85419
35°	73579
40°	56010
45°	37254
50°	19937
55°	5677
60°	2532
65°	789
70°	595
75°	655
80°	715
85°	781

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37254 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1259.5	6.4
10°-20°	3601.7	18.3
20°-30°	5447.8	27.7
30°-40°	5558.8	28.2
40°-50°	3081.6	15.6
50°-60°	637.0	3.2
60°-70°	70.6	0.4
70°-80°	26.6	0.1
80°-90°	10.6	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°	10309.0	52.3
0°-40°	15867.8	80.6
0°-60°	19586.4	99.5
0°-90°	19694.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19694.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13333	
5°	13264	###
15°	12772	3602
25°	11860	5448
35°	9035	5559
45°	3949	3082
55°	488	637
65°	50	71
75°	25	27
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13333.2
2.5°	13289.9
5°	13263.7
7.5°	13186.6
10°	13054.4
12.5°	12919.6
15°	12772.2
17.5°	12570.5
20°	12352.7
22.5°	12118.8
25°	11860.4
27.5°	11523.1
30°	11089.2
32.5°	10174.0
35°	9035.1
37.5°	7791.9
40°	6431.8
42.5°	5130.2
45°	3948.9
47.5°	2905.8
50°	1921.1
52.5°	1044.9
55°	488.1
57.5°	314.4
60°	189.8
62.5°	94.1
65°	50.0
67.5°	33.9
70°	30.5
72.5°	28.0
75°	25.4
77.5°	22.9
80°	18.6
82.5°	14.4
85°	10.2
87.5°	5.1
90°	0.0

(END OF REPORT)