

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: P1505494

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505494
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 (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

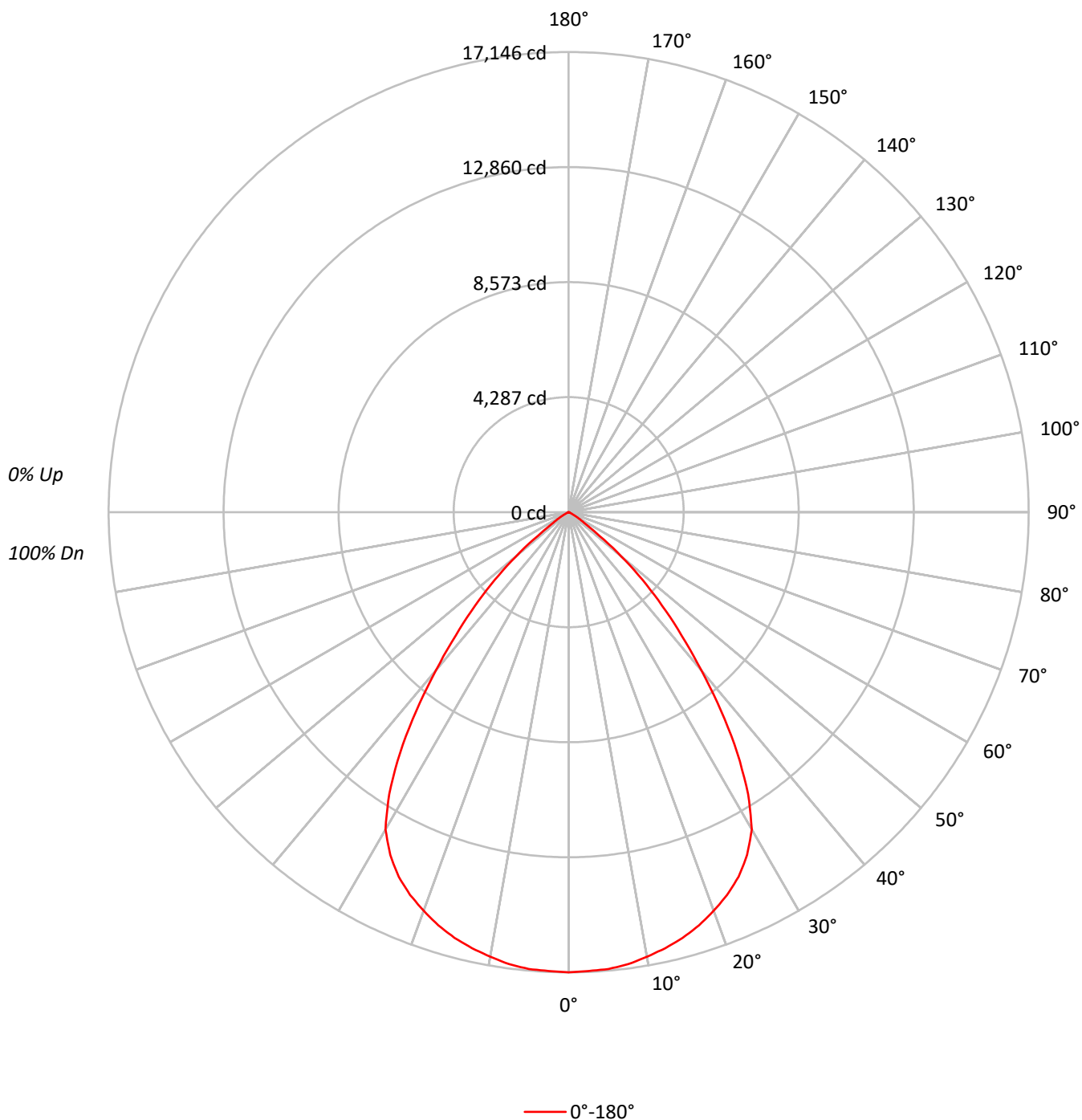
Lumens per Lamp: N/A
Luminaire Lumens: 24730.2 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
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°	109242
5°	109271
10°	108810
15°	108317
20°	107145
25°	105338
30°	100432
35°	85234
40°	63973
45°	44401
50°	25489
55°	8210
60°	3783
65°	1055
70°	682
75°	721
80°	767
85°	768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44401 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1622.4	6.6
10°-20°	4628.4	18.7
20°-30°	6862.1	27.7
30°-40°	6744.9	27.3
40°-50°	3822.3	15.5
50°-60°	903.1	3.7
60°-70°	104.4	0.4
70°-80°	30.8	0.1
80°-90°	11.7	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°	13113.0	53.0
0°-40°	19857.9	80.3
0°-60°	24583.3	99.4
0°-90°	24730.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24730.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17146	
5°	17086	###
15°	16422	4628
25°	14984	6862
35°	10959	6745
45°	4928	3822
55°	739	903
65°	70	104
75°	29	31
85°	10	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17146.3
2.5°	17109.7
5°	17085.7
7.5°	16989.5
10°	16819.1
12.5°	16638.3
15°	16421.9
17.5°	16144.8
20°	15803.0
22.5°	15435.0
25°	14984.5
27.5°	14402.2
30°	13651.6
32.5°	12451.5
35°	10958.7
37.5°	9338.4
40°	7691.9
42.5°	6227.3
45°	4927.9
47.5°	3732.0
50°	2571.6
52.5°	1445.8
55°	739.1
57.5°	489.2
60°	296.9
62.5°	146.4
65°	70.0
67.5°	43.9
70°	36.6
72.5°	33.5
75°	29.3
77.5°	25.1
80°	20.9
82.5°	15.7
85°	10.5
87.5°	6.3
90°	0.0

(END OF REPORT)