

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: P1505503

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505503
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 (5000K_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

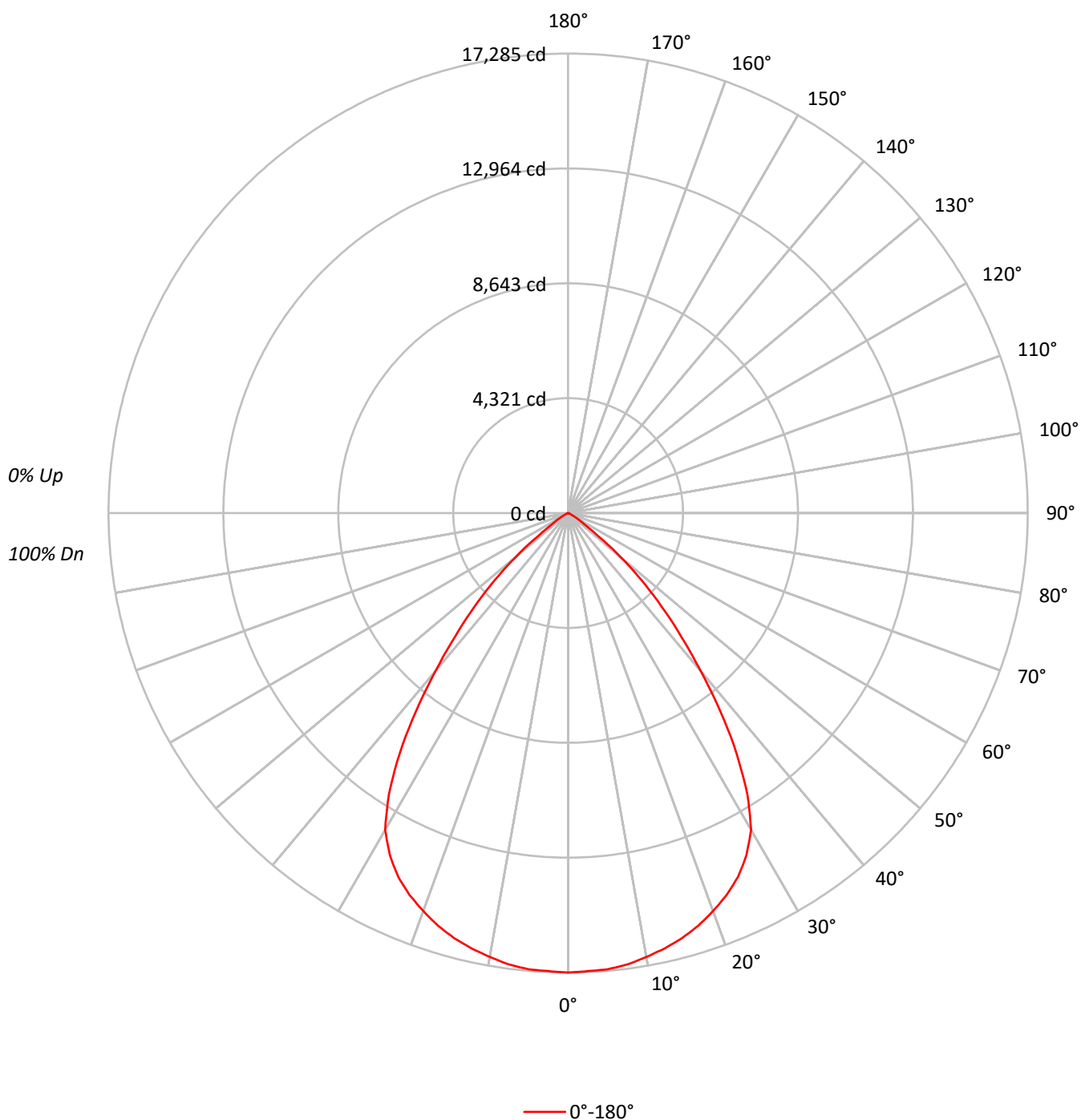
Lumens per Lamp: N/A
Luminaire Lumens: 24930.1 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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	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°	110125
5°	110154
10°	109690
15°	109192
20°	108011
25°	106189
30°	101244
35°	85923
40°	64490
45°	44761
50°	25695
55°	8276
60°	3814
65°	1064
70°	687
75°	726
80°	774
85°	768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44761 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1635.5	6.6
10°-20°	4665.8	18.7
20°-30°	6917.6	27.7
30°-40°	6799.5	27.3
40°-50°	3853.2	15.5
50°-60°	910.4	3.7
60°-70°	105.3	0.4
70°-80°	31.0	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°	13219.0	53.0
0°-40°	20018.5	80.3
0°-60°	24782.1	99.4
0°-90°	24930.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24930.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17285	
5°	17224	###
15°	16555	4666
25°	15106	6918
35°	11047	6799
45°	4968	3853
55°	745	910
65°	71	105
75°	30	31
85°	10	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17284.9
2.5°	17248.0
5°	17223.8
7.5°	17126.9
10°	16955.1
12.5°	16772.8
15°	16554.6
17.5°	16275.4
20°	15930.8
22.5°	15559.8
25°	15105.6
27.5°	14518.6
30°	13762.0
32.5°	12552.2
35°	11047.3
37.5°	9413.9
40°	7754.1
42.5°	6277.7
45°	4967.8
47.5°	3762.2
50°	2592.4
52.5°	1457.4
55°	745.1
57.5°	493.2
60°	299.3
62.5°	147.5
65°	70.6
67.5°	44.3
70°	36.9
72.5°	33.7
75°	29.5
77.5°	25.3
80°	21.1
82.5°	15.8
85°	10.5
87.5°	6.3
90°	0.0

(END OF REPORT)