

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: P1505647

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505647
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-122)
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-WHGL-PS (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

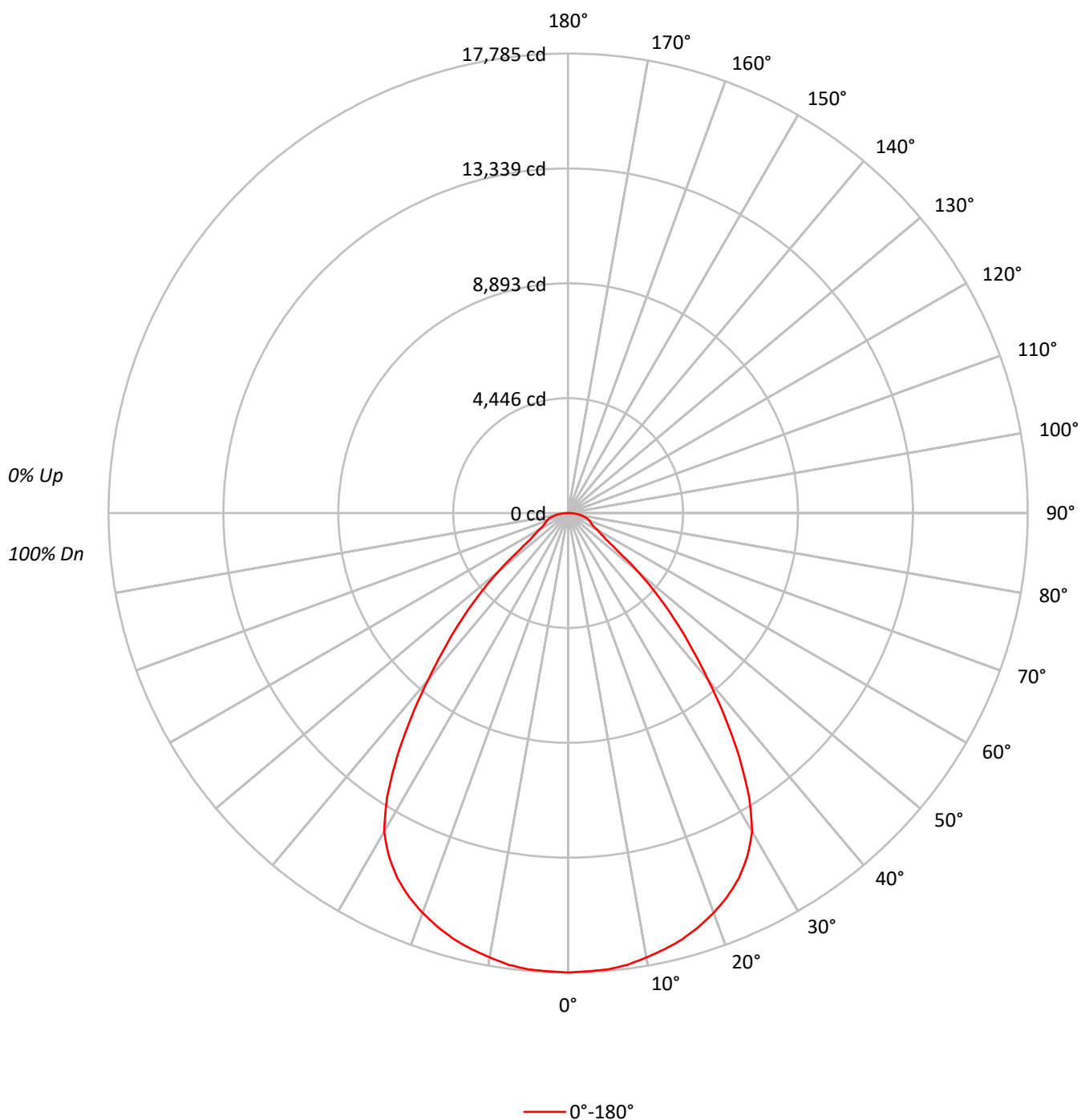
Lumens per Lamp: N/A
Luminaire Lumens: 29166.2 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113312
5°	113400
10°	112976
15°	112623
20°	111647
25°	109747
30°	104750
35°	89867
40°	69999
45°	52457
50°	35174
55°	19884
60°	16497
65°	15122
70°	16598
75°	17943
80°	18815
85°	18926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52457 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1683.8	5.8
10°-20°	4813.3	16.5
20°-30°	7149.9	24.5
30°-40°	7134.3	24.5
40°-50°	4501.1	15.4
50°-60°	1816.9	6.2
60°-70°	1026.7	3.5
70°-80°	759.2	2.6
80°-90°	280.8	1.0
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°	13647.1	46.8
0°-40°	20781.4	71.3
0°-60°	27099.4	92.9
0°-90°	29166.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29166.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17785	
5°	17731	###
15°	17075	4813
25°	15612	7150
35°	11554	7134
45°	5822	4501
55°	1790	1817
65°	1003	1027
75°	729	759
85°	259	281
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17785.2
2.5°	17750.6
5°	17731.2
7.5°	17633.3
10°	17463.1
12.5°	17288.8
15°	17074.7
17.5°	16794.3
20°	16467.1
22.5°	16078.7
25°	15611.8
27.5°	15002.1
30°	14238.6
32.5°	13034.6
35°	11554.4
37.5°	9973.2
40°	8416.5
42.5°	7036.2
45°	5822.0
47.5°	4670.1
50°	3548.7
52.5°	2451.8
55°	1790.1
57.5°	1518.0
60°	1294.7
62.5°	1107.1
65°	1003.1
67.5°	944.0
70°	891.0
72.5°	819.6
75°	728.9
77.5°	625.9
80°	512.8
82.5°	389.4
85°	258.9
87.5°	127.4
90°	0.0

(END OF REPORT)