

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: P1505275

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505275
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-110)
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-WHGL-PS (5000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

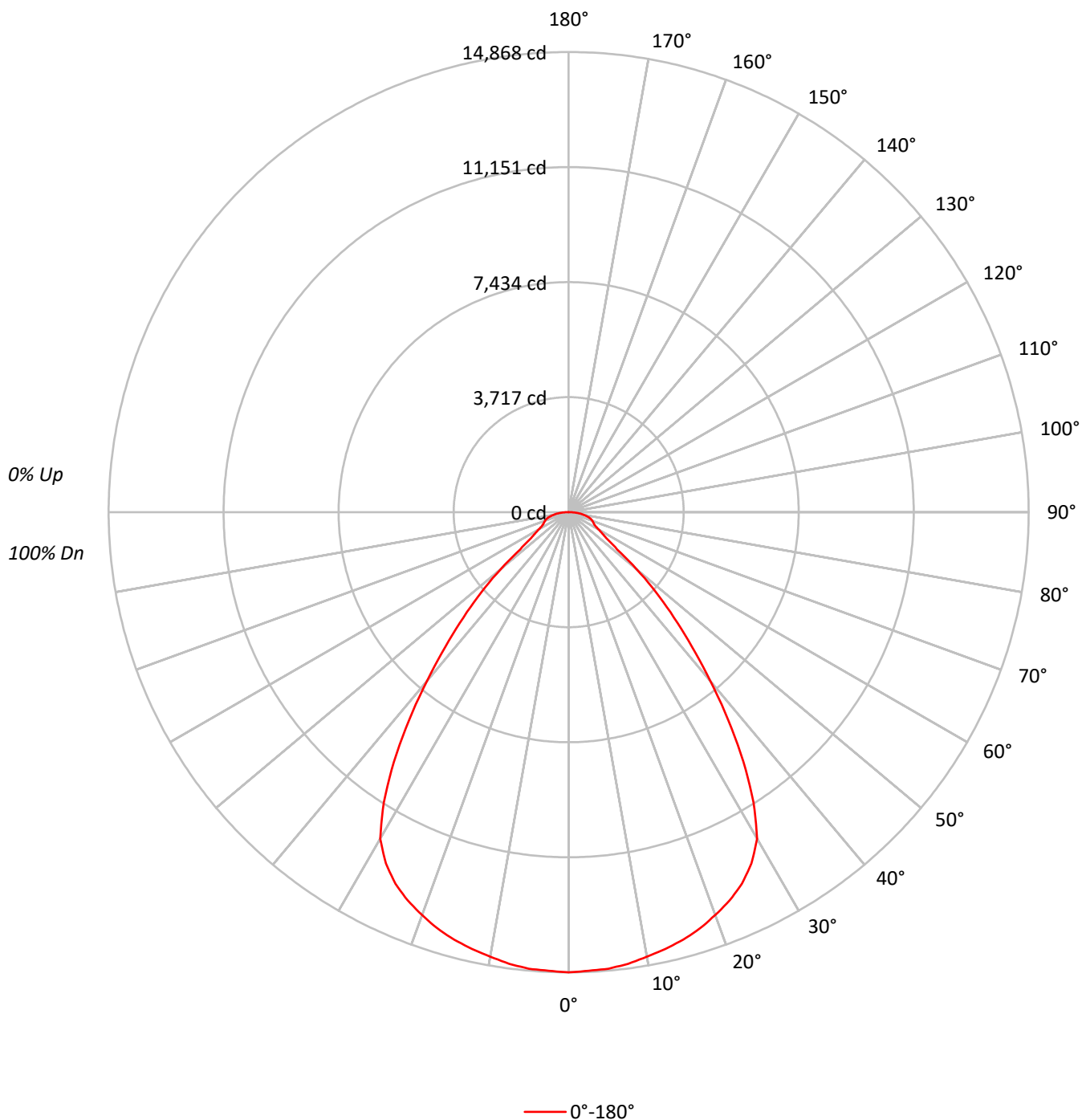
Lumens per Lamp: N/A
Luminaire Lumens: 24746.9 lumens
Efficiency: N/A
Efficacy: 158.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.13
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 156.4
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	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	99182
5°	99142
10°	98771
15°	98752
20°	98328
25°	97507
30°	93826
35°	80191
40°	61987
45°	45368
50°	29654
55°	17576
60°	14914
65°	14271
70°	15957
75°	17751
80°	19485
85°	20804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 45368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1405.9	5.7
10°-20°	4034.0	16.3
20°-30°	6068.8	24.5
30°-40°	6076.7	24.6
40°-50°	3733.6	15.1
50°-60°	1504.2	6.1
60°-70°	917.8	3.7
70°-80°	717.5	2.9
80°-90°	288.3	1.2
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°	11508.7	46.5
0°-40°	17585.4	71.1
0°-60°	22823.2	92.2
0°-90°	24746.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24746.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14868	
5°	14805	###
15°	14299	4034
25°	13247	6069
35°	9847	6077
45°	4809	3734
55°	1511	1504
65°	904	918
75°	689	718
85°	272	288
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14867.8
2.5°	14830.4
5°	14805.2
7.5°	14717.5
10°	14581.2
12.5°	14451.8
15°	14298.9
17.5°	14102.6
20°	13850.8
22.5°	13581.5
25°	13247.2
27.5°	12792.1
30°	12180.6
32.5°	11116.7
35°	9847.0
37.5°	8480.9
40°	7118.2
42.5°	5889.3
45°	4808.9
47.5°	3827.5
50°	2857.4
52.5°	1975.8
55°	1511.2
57.5°	1293.2
60°	1117.8
62.5°	975.3
65°	904.1
67.5°	858.1
70°	818.1
72.5°	761.7
75°	688.7
77.5°	604.5
80°	507.2
82.5°	396.9
85°	271.8
87.5°	137.2
90°	0.0

(END OF REPORT)