

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: P1505246

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505246
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-112)
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-TRWH-PS (6500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

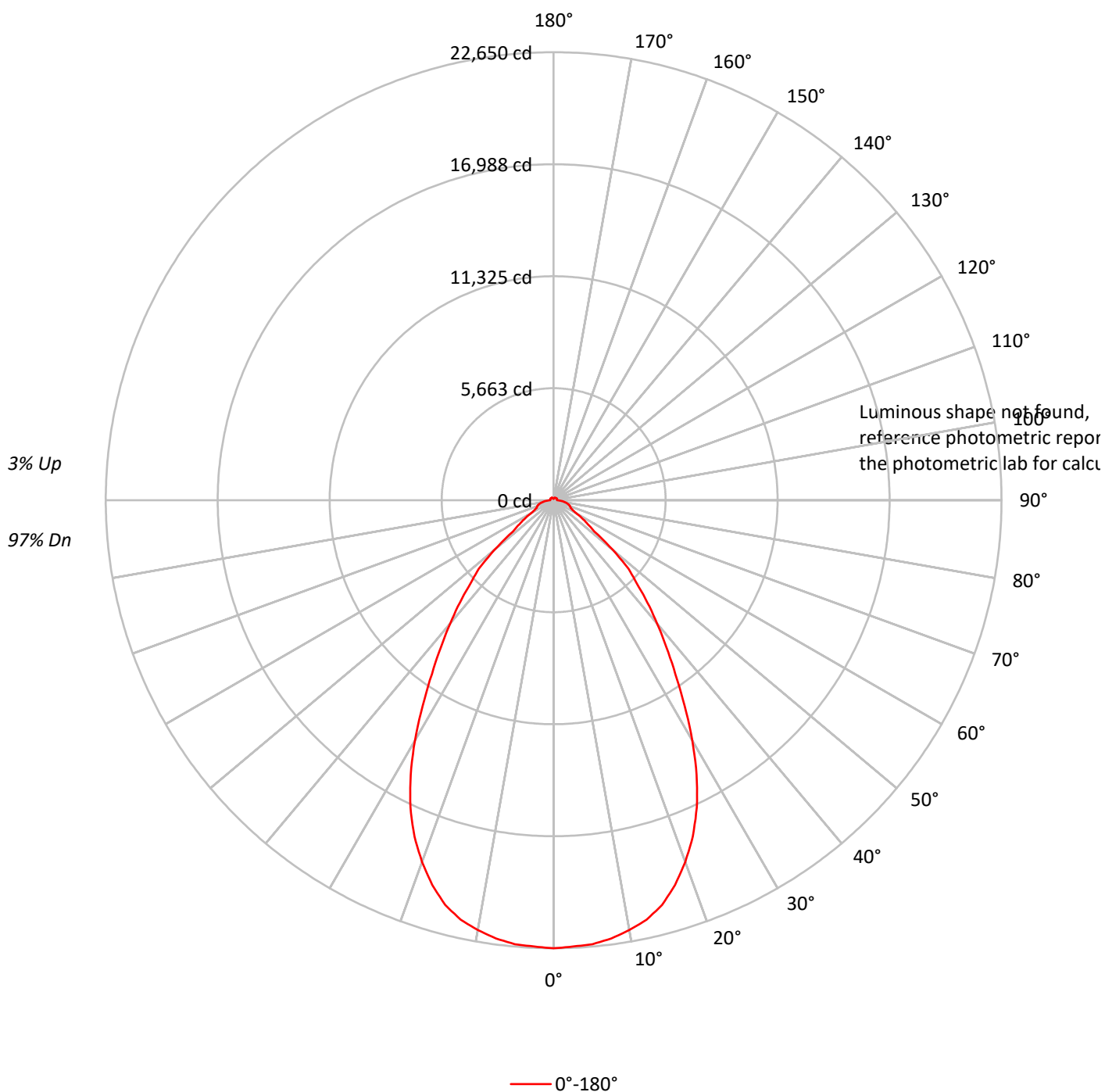
Lumens per Lamp: N/A
Luminaire Lumens: 32480.1 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 239.6
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





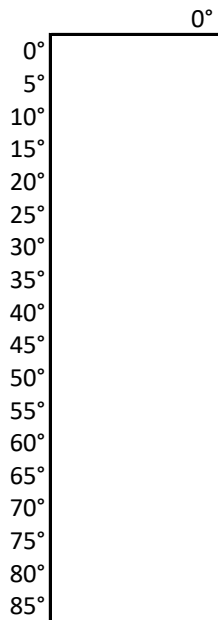
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	97	95	95	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	97	88	82	77	94	87	81	76	84	79	75	81	76	73	78	74	71	69		
4	90	81	74	69	88	79	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	63	56	51	73	63	56	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2135.4	6.6
10°-20°	5919.2	18.2
20°-30°	7785.9	24.0
30°-40°	6757.7	20.8
40°-50°	4625.6	14.2
50°-60°	2007.3	6.2
60°-70°	1012.0	3.1
70°-80°	793.8	2.4
80°-90°	416.3	1.3
90°-100°	191.7	0.6
100°-110°	188.4	0.6
110°-120°	174.3	0.5
120°-130°	151.0	0.5
130°-140°	123.9	0.4
140°-150°	97.6	0.3
150°-160°	63.3	0.2
160°-170°	29.0	0.1
170°-180°	7.5	0.0
0°-30°	15840.5	48.8
0°-40°	22598.3	69.6
0°-60°	29231.2	90.0
0°-90°	31453.4	96.8
90°-120°	554.5	1.7
90°-150°	927.0	2.9
90°-180°	1027.0	3.2
0°-180°	32480.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22650	
5°	22531	###
15°	21181	5919
25°	17131	7786
35°	10736	6758
45°	5929	4626
55°	2109	2007
65°	971	1012
75°	763	794
85°	383	354
90°	176	110
95°	176	144
105°	178	188
115°	176	174
125°	169	151
135°	159	124
145°	156	98
155°	136	63
165°	100	29
175°	75	7
180°	73	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22650.5
2.5°	22580.2
5°	22531.0
7.5°	22347.1
10°	22067.0
12.5°	21717.9
15°	21181.3
17.5°	20398.6
20°	19456.6
22.5°	18392.7
25°	17130.8
27.5°	15654.5
30°	14030.6
32.5°	12314.1
35°	10735.9
37.5°	9355.7
40°	8137.2
42.5°	7017.1
45°	5928.6
47.5°	5138.9
50°	3916.9
52.5°	2594.1
55°	2109.0
57.5°	1705.9
60°	1338.0
62.5°	1095.5
65°	971.3
67.5°	913.9
70°	878.7
72.5°	829.5
75°	762.7
77.5°	680.7
80°	587.0
82.5°	487.4
85°	383.1
87.5°	276.5
90°	175.7
92.5°	173.4
95°	175.7
97.5°	176.9
100°	178.1
102.5°	178.1
105°	178.1
107.5°	178.1
110°	178.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	176.9
115°	175.7
117.5°	174.6
120°	172.2
122.5°	169.9
125°	168.7
127.5°	166.4
130°	164.0
132.5°	161.7
135°	159.3
137.5°	158.2
140°	157.0
142.5°	155.8
145°	155.8
147.5°	154.7
150°	152.3
152.5°	144.1
155°	135.9
157.5°	127.7
160°	118.3
162.5°	109.0
165°	99.6
167.5°	91.4
170°	85.5
172.5°	78.5
175°	75.0
177.5°	72.6
180°	72.6

(END OF REPORT)