

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: P1505052

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505052
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-68)
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-04-TRWH-PS (5000K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

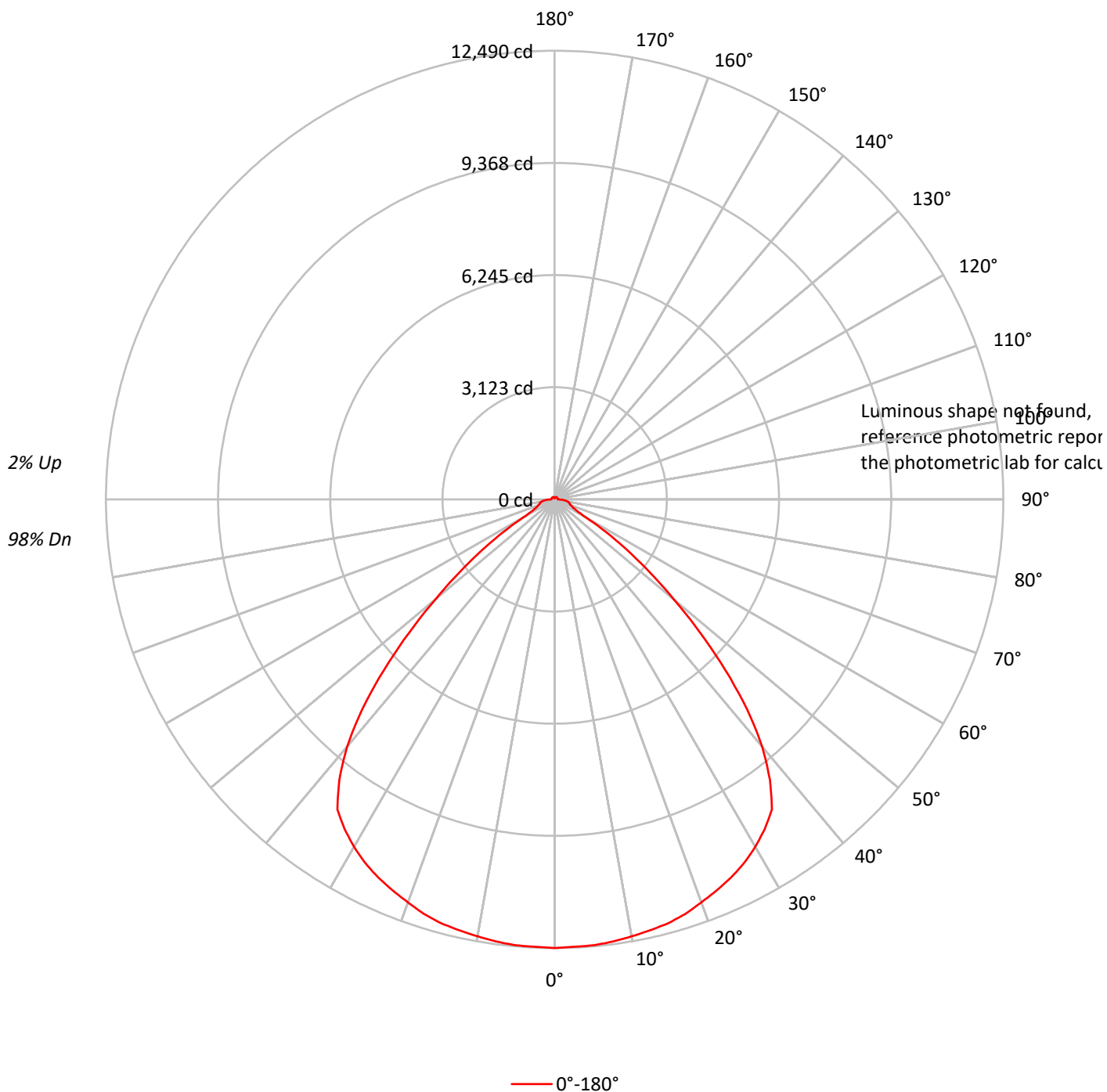
Lumens per Lamp: N/A
Luminaire Lumens: 25703.1 lumens
Efficiency: N/A
Efficacy: 164.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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



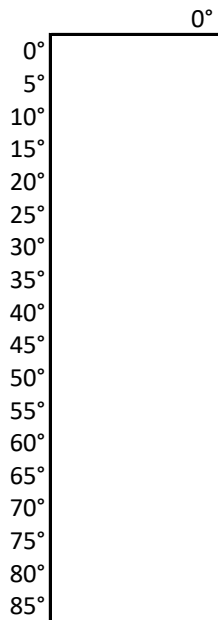
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	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	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89			87
2	103	97	91	87	100	95	90	86	91	87	83	88	84	81	84	82	79			77
3	96	87	81	75	93	86	80	75	83	77	73	80	75	72	77	73	70			68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63			61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56			54
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	51			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46			44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41			40
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35			33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1185.8	4.6
10°-20°	3448.7	13.4
20°-30°	5355.1	20.8
30°-40°	6467.6	25.2
40°-50°	5141.4	20.0
50°-60°	2249.7	8.8
60°-70°	632.3	2.5
70°-80°	452.0	1.8
80°-90°	272.9	1.1
90°-100°	93.9	0.4
100°-110°	90.9	0.4
110°-120°	83.6	0.3
120°-130°	72.6	0.3
130°-140°	60.1	0.2
140°-150°	47.9	0.2
150°-160°	31.1	0.1
160°-170°	14.1	0.1
170°-180°	3.6	0.0
0°-30°	9989.5	38.9
0°-40°	16457.2	64.0
0°-60°	23848.2	92.8
0°-90°	25205.5	98.1
90°-120°	268.4	1.0
90°-150°	448.9	1.7
90°-180°	498.0	1.9
0°-180°	25703.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12490	
5°	12461	###
15°	12215	3449
25°	11615	5355
35°	10544	6468
45°	6722	5141
55°	2474	2250
65°	598	632
75°	429	452
85°	264	236
90°	92	61
95°	85	70
105°	86	91
115°	84	84
125°	81	73
135°	78	60
145°	77	48
155°	66	31
165°	48	14
175°	36	4
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12490.5
2.5°	12467.5
5°	12460.7
7.5°	12416.4
10°	12351.7
12.5°	12285.3
15°	12214.7
17.5°	12100.6
20°	11938.0
22.5°	11781.4
25°	11615.4
27.5°	11416.2
30°	11167.6
32.5°	10881.6
35°	10543.7
37.5°	9843.9
40°	8990.1
42.5°	7937.1
45°	6722.4
47.5°	5494.9
50°	4329.5
52.5°	3336.1
55°	2473.7
57.5°	1691.4
60°	983.2
62.5°	711.6
65°	597.6
67.5°	521.8
70°	474.1
72.5°	450.3
75°	429.0
77.5°	407.8
80°	372.8
82.5°	326.9
85°	263.9
87.5°	178.8
90°	91.9
92.5°	84.3
95°	85.1
97.5°	86.0
100°	86.0
102.5°	86.0
105°	86.0
107.5°	86.0
110°	85.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	85.1
115°	84.3
117.5°	83.4
120°	82.6
122.5°	81.7
125°	80.9
127.5°	80.0
130°	79.2
132.5°	78.3
135°	77.5
137.5°	76.6
140°	76.6
142.5°	76.6
145°	76.6
147.5°	75.8
150°	74.9
152.5°	71.5
155°	66.4
157.5°	62.1
160°	57.9
162.5°	52.8
165°	47.7
167.5°	45.1
170°	40.9
172.5°	38.3
175°	35.8
177.5°	34.9
180°	34.9

(END OF REPORT)