

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: P1505058

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505058
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_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

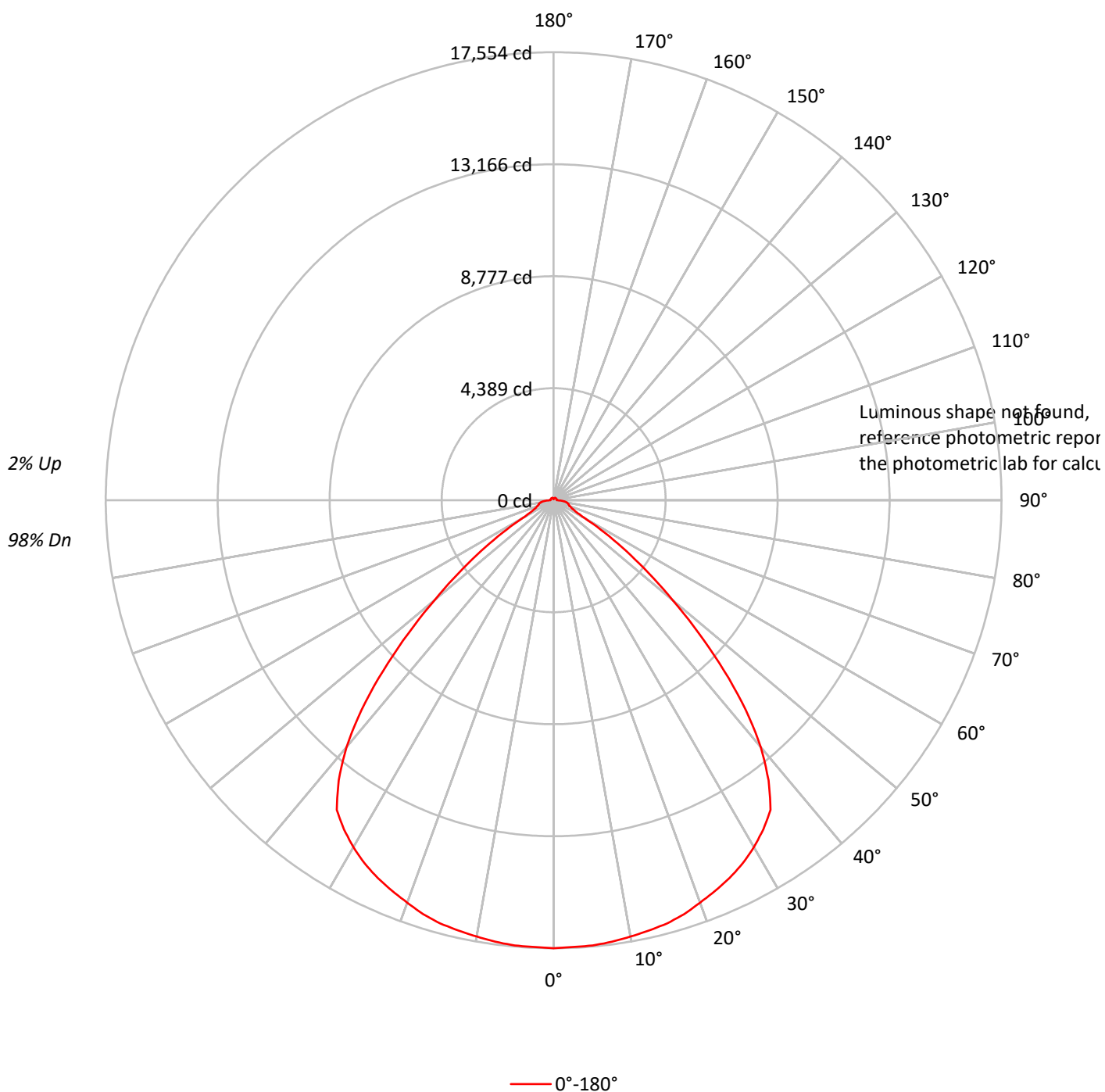
Lumens per Lamp: N/A
Luminaire Lumens: 36123.9 lumens
Efficiency: N/A
Efficacy: 154.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 233.3
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



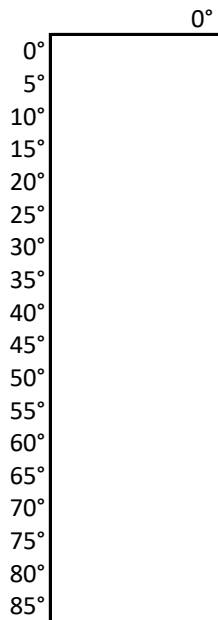
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
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°	1666.5	4.6
10°-20°	4846.9	13.4
20°-30°	7526.2	20.8
30°-40°	9089.8	25.2
40°-50°	7225.8	20.0
50°-60°	3161.8	8.8
60°-70°	888.7	2.5
70°-80°	635.3	1.8
80°-90°	383.6	1.1
90°-100°	132.0	0.4
100°-110°	127.6	0.4
110°-120°	117.4	0.3
120°-130°	102.0	0.3
130°-140°	84.5	0.2
140°-150°	67.3	0.2
150°-160°	43.7	0.1
160°-170°	19.7	0.1
170°-180°	5.1	0.0
0°-30°	14039.6	38.9
0°-40°	23129.3	64.0
0°-60°	33517.0	92.8
0°-90°	35424.5	98.1
90°-120°	377.0	1.0
90°-150°	630.9	1.7
90°-180°	699.0	1.9
0°-180°	36123.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17554	
5°	17513	###
15°	17167	4847
25°	16325	7526
35°	14818	9090
45°	9448	7226
55°	3477	3162
65°	840	889
75°	603	635
85°	371	331
90°	129	86
95°	120	98
105°	121	128
115°	118	117
125°	114	102
135°	109	84
145°	108	67
155°	93	44
165°	67	20
175°	50	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17554.5
2.5°	17522.2
5°	17512.6
7.5°	17450.4
10°	17359.5
12.5°	17266.1
15°	17166.8
17.5°	17006.5
20°	16778.0
22.5°	16557.9
25°	16324.6
27.5°	16044.6
30°	15695.3
32.5°	15293.3
35°	14818.4
37.5°	13834.9
40°	12635.0
42.5°	11155.0
45°	9447.8
47.5°	7722.6
50°	6084.8
52.5°	4688.6
55°	3476.7
57.5°	2377.2
60°	1381.8
62.5°	1000.2
65°	839.9
67.5°	733.4
70°	666.4
72.5°	632.9
75°	603.0
77.5°	573.1
80°	524.0
82.5°	459.4
85°	370.9
87.5°	251.2
90°	129.2
92.5°	118.4
95°	119.6
97.5°	120.8
100°	120.8
102.5°	120.8
105°	120.8
107.5°	120.8
110°	119.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	119.6
115°	118.4
117.5°	117.2
120°	116.0
122.5°	114.9
125°	113.7
127.5°	112.5
130°	111.3
132.5°	110.1
135°	108.9
137.5°	107.7
140°	107.7
142.5°	107.7
145°	107.7
147.5°	106.5
150°	105.3
152.5°	100.5
155°	93.3
157.5°	87.3
160°	81.4
162.5°	74.2
165°	67.0
167.5°	63.4
170°	57.4
172.5°	53.8
175°	50.2
177.5°	49.1
180°	49.1

(END OF REPORT)