

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: P1505040

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505040
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 (3500K_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

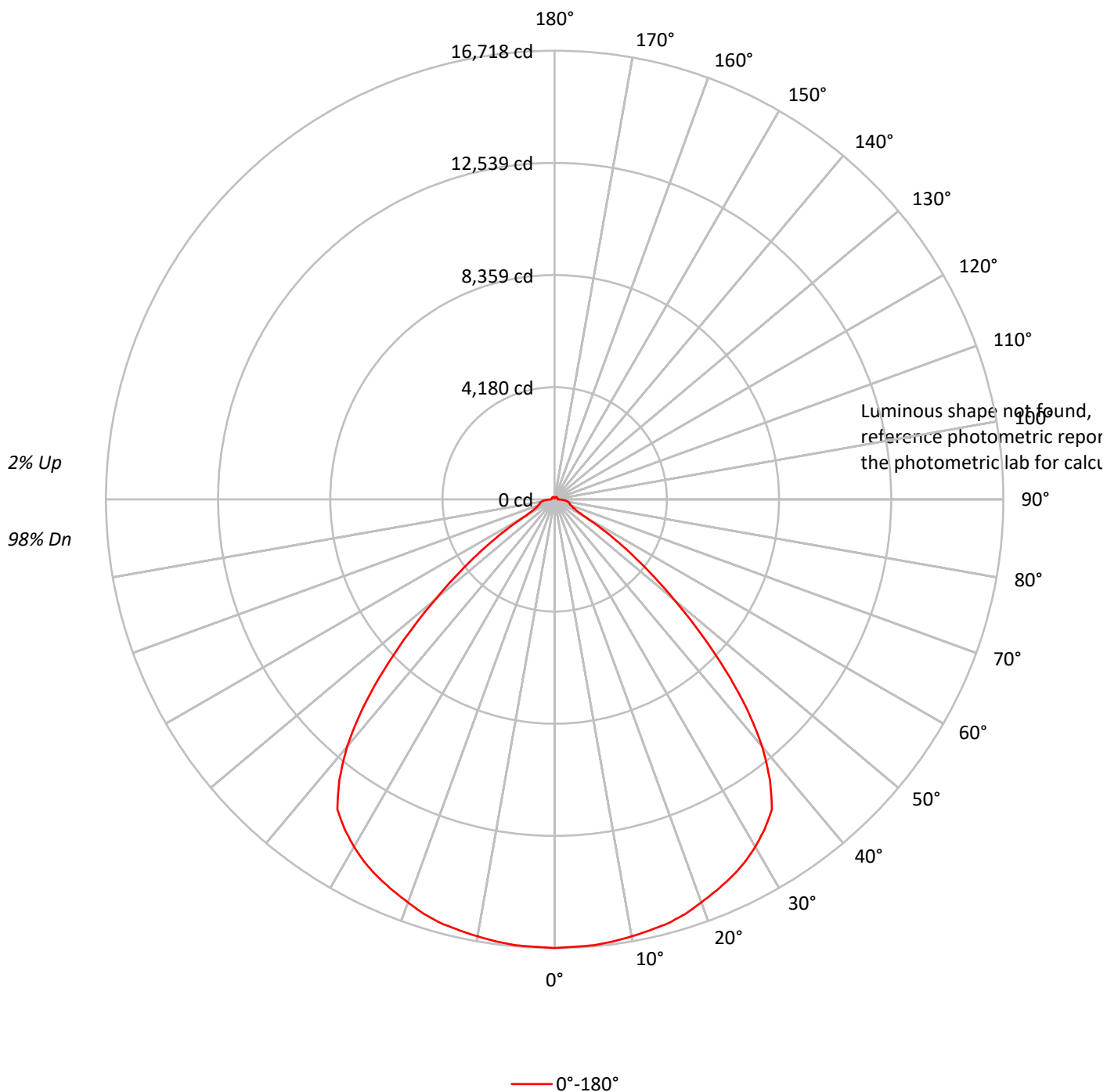
Lumens per Lamp: N/A
Luminaire Lumens: 34402.5 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 235.4
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



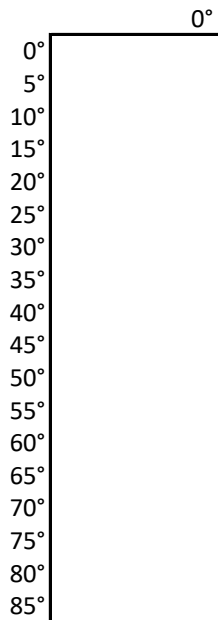
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89
2	103	97	91	87	100	95	90	86	91	87	83	88	84	81	84	82	79
3	96	87	81	75	93	86	80	75	83	77	73	80	75	72	77	73	70
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	51
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1587.1	4.6
10°-20°	4616.0	13.4
20°-30°	7167.5	20.8
30°-40°	8656.6	25.2
40°-50°	6881.5	20.0
50°-60°	3011.2	8.8
60°-70°	846.3	2.5
70°-80°	605.0	1.8
80°-90°	365.3	1.1
90°-100°	125.7	0.4
100°-110°	121.6	0.4
110°-120°	111.8	0.3
120°-130°	97.1	0.3
130°-140°	80.4	0.2
140°-150°	64.1	0.2
150°-160°	41.6	0.1
160°-170°	18.8	0.1
170°-180°	4.8	0.0
0°-30°	13370.6	38.9
0°-40°	22027.2	64.0
0°-60°	31919.8	92.8
0°-90°	33736.4	98.1
90°-120°	359.2	1.0
90°-150°	600.8	1.7
90°-180°	666.0	1.9
0°-180°	34402.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16718	
5°	16678	###
15°	16349	4616
25°	15547	7168
35°	14112	8657
45°	8998	6881
55°	3311	3011
65°	800	846
75°	574	605
85°	353	316
90°	123	82
95°	114	93
105°	115	122
115°	113	112
125°	108	97
135°	104	80
145°	102	64
155°	89	42
165°	64	19
175°	48	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16718.0
2.5°	16687.2
5°	16678.1
7.5°	16618.8
10°	16532.2
12.5°	16443.4
15°	16348.8
17.5°	16196.1
20°	15978.5
22.5°	15768.9
25°	15546.7
27.5°	15280.1
30°	14947.4
32.5°	14564.6
35°	14112.2
37.5°	13175.7
40°	12032.9
42.5°	10623.5
45°	8997.6
47.5°	7354.6
50°	5794.8
52.5°	4465.2
55°	3311.0
57.5°	2263.9
60°	1316.0
62.5°	952.5
65°	799.8
67.5°	698.4
70°	634.6
72.5°	602.7
75°	574.2
77.5°	545.8
80°	499.0
82.5°	437.5
85°	353.2
87.5°	239.3
90°	123.1
92.5°	112.8
95°	113.9
97.5°	115.1
100°	115.1
102.5°	115.1
105°	115.1
107.5°	115.1
110°	113.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	113.9
115°	112.8
117.5°	111.7
120°	110.5
122.5°	109.4
125°	108.2
127.5°	107.1
130°	106.0
132.5°	104.8
135°	103.7
137.5°	102.5
140°	102.5
142.5°	102.5
145°	102.5
147.5°	101.4
150°	100.3
152.5°	95.7
155°	88.9
157.5°	83.2
160°	77.5
162.5°	70.6
165°	63.8
167.5°	60.4
170°	54.7
172.5°	51.3
175°	47.9
177.5°	46.7
180°	46.7

(END OF REPORT)