

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: P1505067

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505067
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 (6500K_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

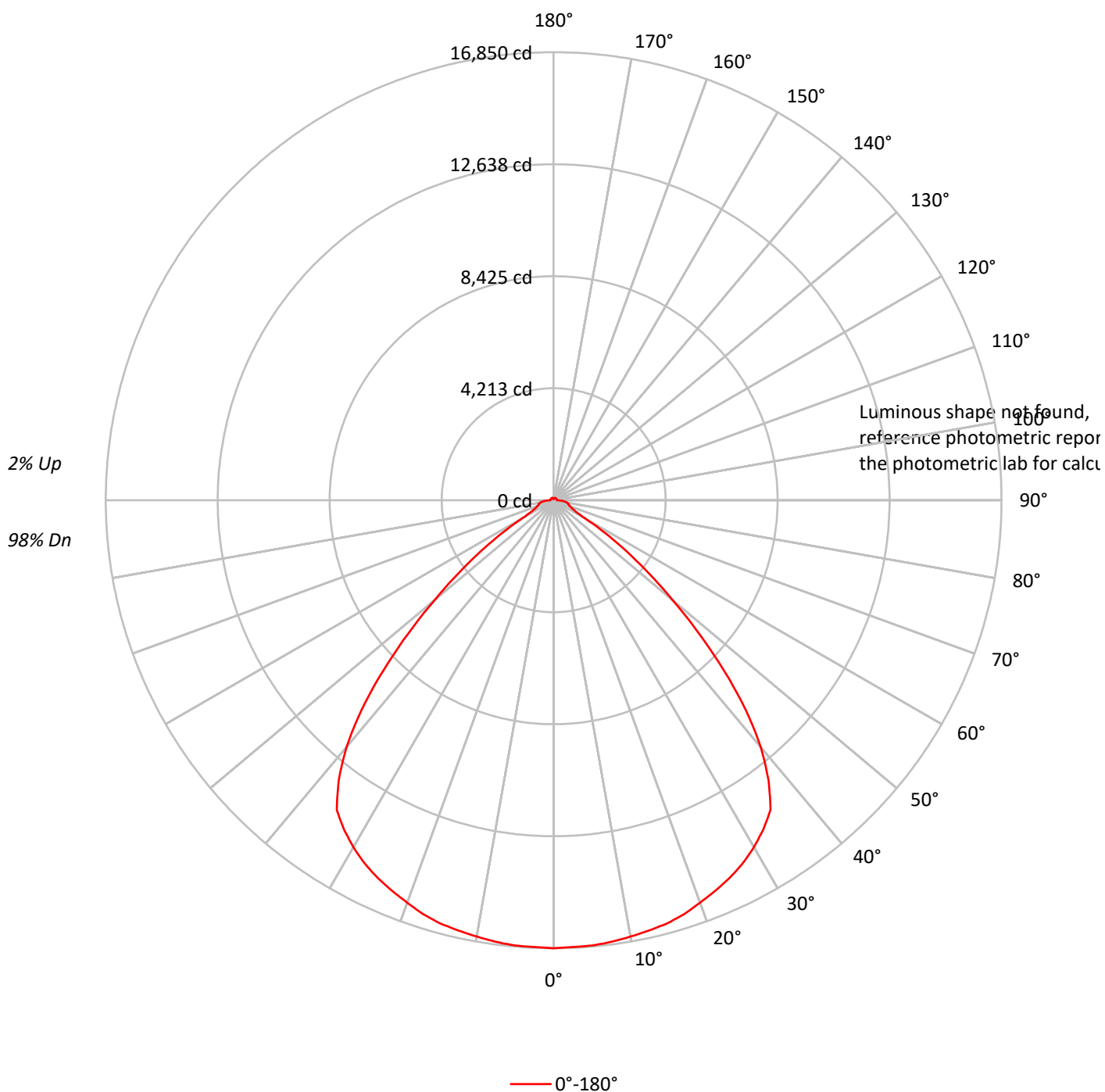
Lumens per Lamp: N/A
Luminaire Lumens: 34675.3 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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



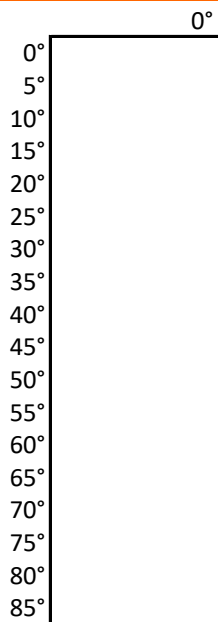
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
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°	1599.7	4.6
10°-20°	4652.5	13.4
20°-30°	7224.3	20.8
30°-40°	8725.3	25.2
40°-50°	6936.0	20.0
50°-60°	3035.1	8.8
60°-70°	853.0	2.5
70°-80°	609.9	1.8
80°-90°	368.2	1.1
90°-100°	126.7	0.4
100°-110°	122.6	0.4
110°-120°	112.7	0.3
120°-130°	97.9	0.3
130°-140°	81.1	0.2
140°-150°	64.6	0.2
150°-160°	41.9	0.1
160°-170°	19.0	0.1
170°-180°	4.9	0.0
0°-30°	13476.6	38.9
0°-40°	22201.8	64.0
0°-60°	32172.9	92.8
0°-90°	34004.0	98.1
90°-120°	362.0	1.0
90°-150°	605.6	1.7
90°-180°	671.0	1.9
0°-180°	34675.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16850	
5°	16810	###
15°	16478	4653
25°	15670	7224
35°	14224	8725
45°	9069	6936
55°	3337	3035
65°	806	853
75°	579	610
85°	356	318
90°	124	83
95°	115	94
105°	116	123
115°	114	113
125°	109	98
135°	104	81
145°	103	65
155°	90	42
165°	64	19
175°	48	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16850.5
2.5°	16819.5
5°	16810.3
7.5°	16750.6
10°	16663.3
12.5°	16573.7
15°	16478.4
17.5°	16324.5
20°	16105.2
22.5°	15893.9
25°	15669.9
27.5°	15401.2
30°	15065.9
32.5°	14680.0
35°	14224.1
37.5°	13280.1
40°	12128.3
42.5°	10707.7
45°	9068.9
47.5°	7412.9
50°	5840.8
52.5°	4500.6
55°	3337.3
57.5°	2281.9
60°	1326.4
62.5°	960.1
65°	806.2
67.5°	704.0
70°	639.7
72.5°	607.5
75°	578.8
77.5°	550.1
80°	503.0
82.5°	441.0
85°	356.0
87.5°	241.2
90°	124.0
92.5°	113.7
95°	114.8
97.5°	116.0
100°	116.0
102.5°	116.0
105°	116.0
107.5°	116.0
110°	114.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	114.8
115°	113.7
117.5°	112.5
120°	111.4
122.5°	110.2
125°	109.1
127.5°	107.9
130°	106.8
132.5°	105.7
135°	104.5
137.5°	103.4
140°	103.4
142.5°	103.4
145°	103.4
147.5°	102.2
150°	101.1
152.5°	96.5
155°	89.6
157.5°	83.8
160°	78.1
162.5°	71.2
165°	64.3
167.5°	60.9
170°	55.1
172.5°	51.7
175°	48.2
177.5°	47.1
180°	47.1

(END OF REPORT)