

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: P1505400

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505400
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-102)
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-B-04-TRWH-PS (3500K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

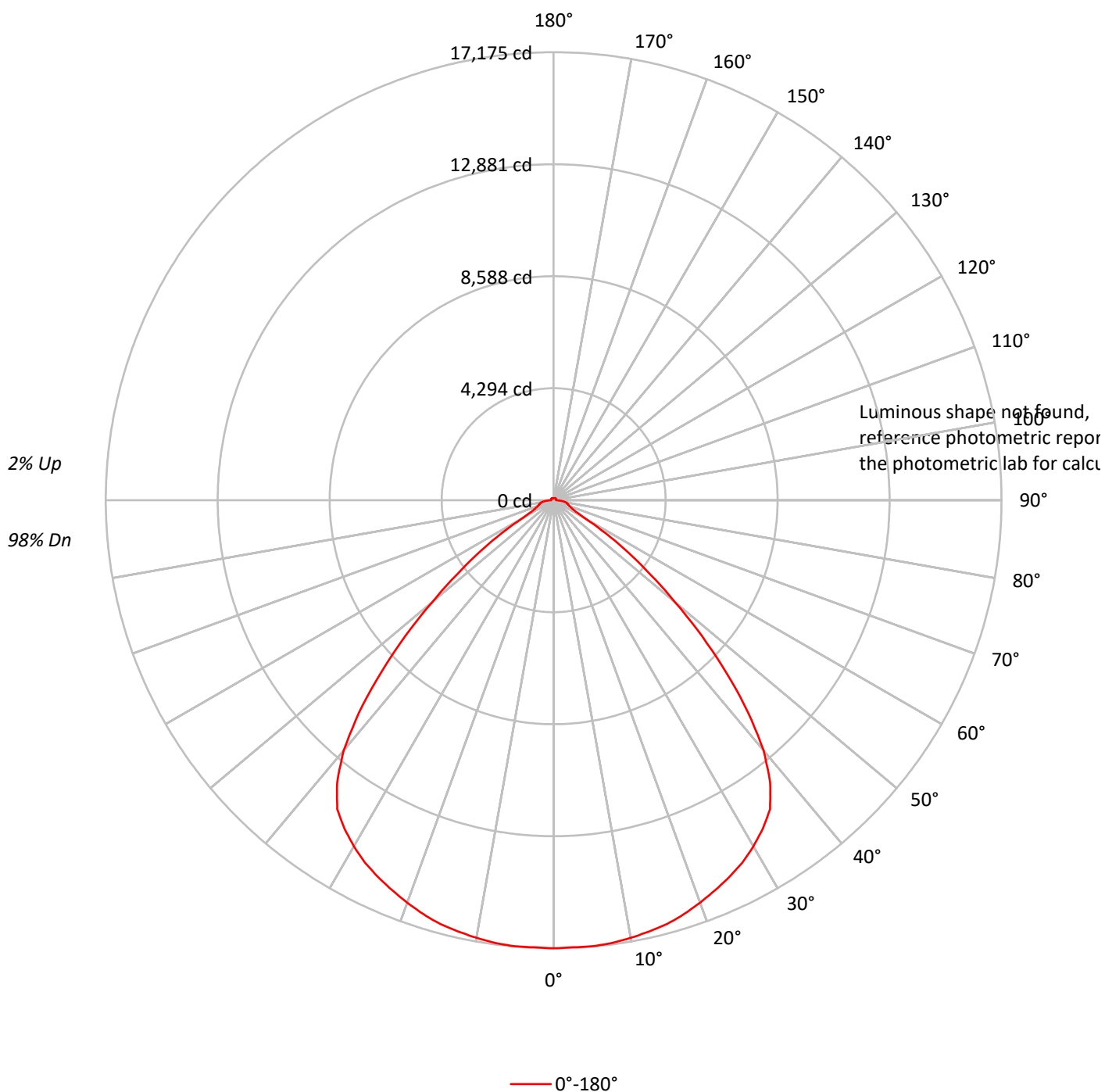
Lumens per Lamp: N/A
Luminaire Lumens: 35375.2 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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



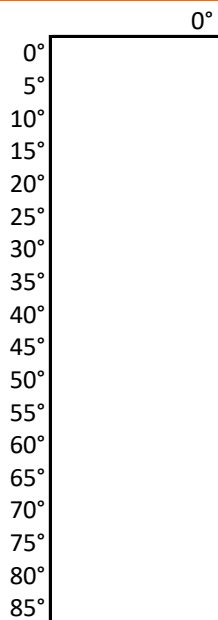
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	93	93	91	90			88
2	103	97	91	87	101	95	90	86	91	87	84	88	84	81	85	82	79			77
3	96	87	81	76	93	86	80	75	83	78	73	80	76	72	77	74	71			69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	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	60	55	51			49
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	55	50	46			44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	42			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°	1634.1	4.6
10°-20°	4747.2	13.4
20°-30°	7350.7	20.8
30°-40°	8909.6	25.2
40°-50°	7182.4	20.3
50°-60°	3164.6	8.9
60°-70°	862.7	2.4
70°-80°	592.0	1.7
80°-90°	325.4	0.9
90°-100°	105.4	0.3
100°-110°	105.8	0.3
110°-120°	99.4	0.3
120°-130°	89.1	0.3
130°-140°	75.7	0.2
140°-150°	61.4	0.2
150°-160°	41.9	0.1
160°-170°	21.4	0.1
170°-180°	6.3	0.0
0°-30°	13732.0	38.8
0°-40°	22641.7	64.0
0°-60°	32988.7	93.3
0°-90°	34768.8	98.3
90°-120°	310.6	0.9
90°-150°	536.7	1.5
90°-180°	606.0	1.7
0°-180°	35375.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17175	
5°	17161	###
15°	16818	4747
25°	15936	7351
35°	14463	8910
45°	9396	7182
55°	3492	3165
65°	810	863
75°	564	592
85°	309	285
90°	95	67
95°	96	79
105°	100	106
115°	100	99
125°	99	89
135°	98	76
145°	98	61
155°	90	42
165°	74	21
175°	65	6
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17175.1
2.5°	17154.2
5°	17161.2
7.5°	17122.8
10°	17034.5
12.5°	16932.2
15°	16818.2
17.5°	16635.7
20°	16417.2
22.5°	16181.2
25°	15935.9
27.5°	15662.8
30°	15321.0
32.5°	14924.6
35°	14463.1
37.5°	13634.3
40°	12519.5
42.5°	11043.2
45°	9396.0
47.5°	7714.0
50°	6080.7
52.5°	4675.4
55°	3492.0
57.5°	2377.2
60°	1404.2
62.5°	961.3
65°	810.2
67.5°	703.3
70°	633.5
72.5°	597.5
75°	563.8
77.5°	526.6
80°	472.0
82.5°	402.2
85°	309.2
87.5°	199.9
90°	95.3
92.5°	95.3
95°	96.5
97.5°	97.6
100°	98.8
102.5°	100.0
105°	100.0
107.5°	100.0
110°	101.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.0
115°	100.0
117.5°	100.0
120°	100.0
122.5°	100.0
125°	98.8
127.5°	98.8
130°	98.8
132.5°	97.6
135°	97.6
137.5°	97.6
140°	97.6
142.5°	97.6
145°	97.6
147.5°	97.6
150°	98.8
152.5°	94.2
155°	89.5
157.5°	86.0
160°	82.5
162.5°	79.0
165°	74.4
167.5°	70.9
170°	67.4
172.5°	65.1
175°	65.1
177.5°	65.1
180°	65.1

(END OF REPORT)