

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: P1505545

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505545
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)
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-06-CLER-PS (5000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

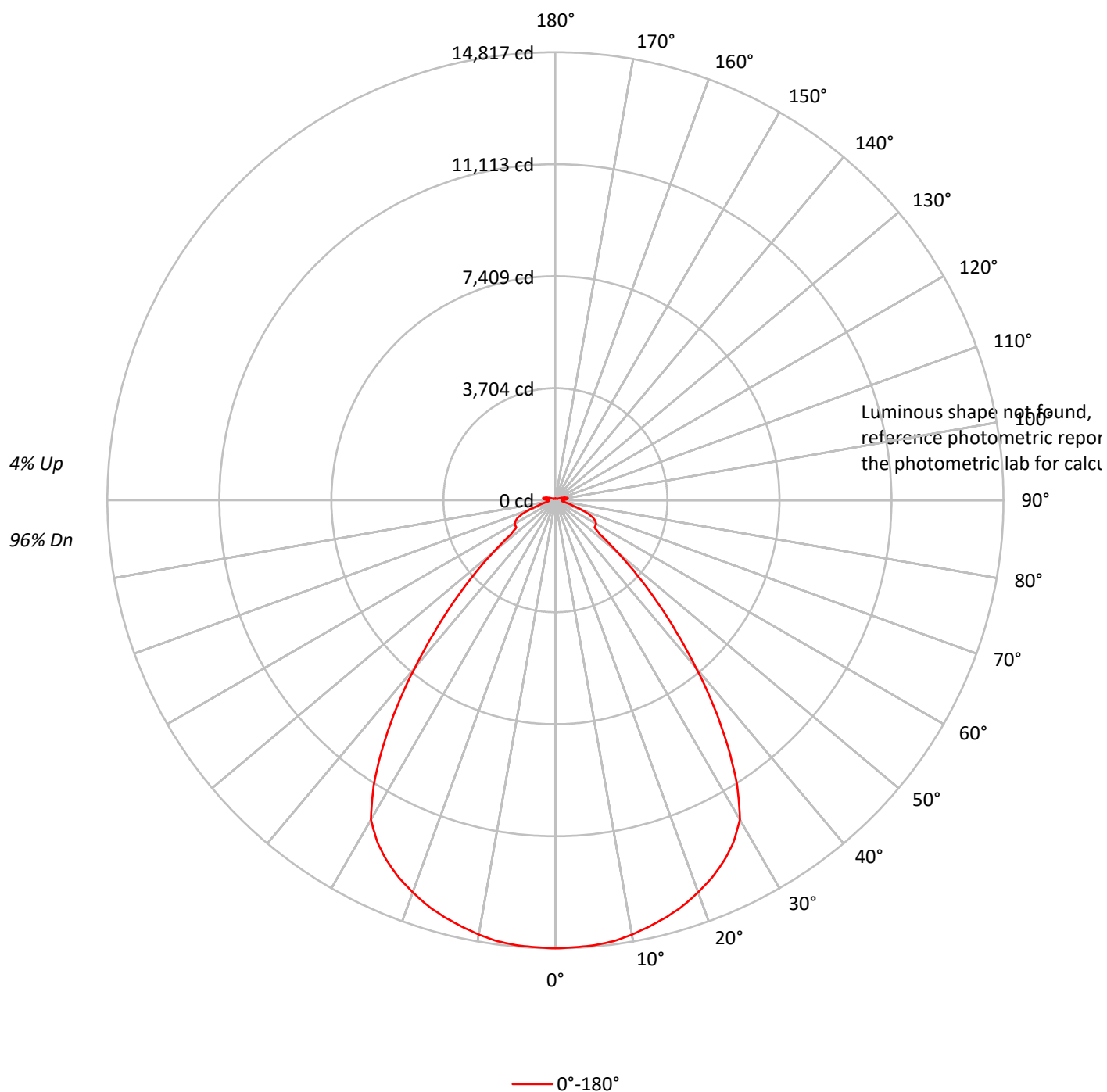
Lumens per Lamp: N/A
Luminaire Lumens: 26102.2 lumens
Efficiency: N/A
Efficacy: 166.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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



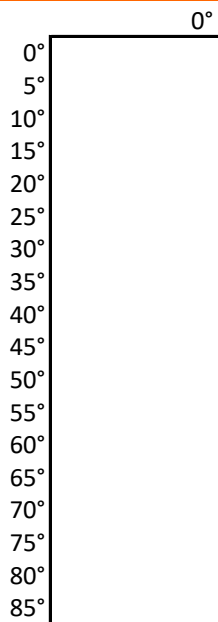
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98
1	110	107	103	100	107	104	101	98	99	97	94	95	93	91	90	89	87
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78
3	96	87	81	76	93	85	80	75	82	77	73	79	75	71	76	73	70
4	89	79	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62
5	83	73	65	60	81	71	64	59	69	63	58	67	61	57	64	60	56
6	78	67	59	54	76	66	59	53	63	57	53	62	56	52	60	55	51
7	73	61	54	49	71	60	53	49	59	52	48	57	51	47	55	51	47
8	68	57	50	45	67	56	49	44	54	48	44	53	47	43	52	47	43
9	64	53	46	41	63	52	45	41	51	45	40	49	44	40	48	43	39
10	61	49	42	38	59	48	42	37	47	41	37	46	41	37	45	40	36

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1404.5	5.4
10°-20°	4023.7	15.4
20°-30°	6047.0	23.2
30°-40°	6136.8	23.5
40°-50°	3692.9	14.1
50°-60°	1587.8	6.1
60°-70°	1304.3	5.0
70°-80°	535.8	2.1
80°-90°	242.6	0.9
90°-100°	388.8	1.5
100°-110°	353.5	1.4
110°-120°	164.4	0.6
120°-130°	73.0	0.3
130°-140°	55.0	0.2
140°-150°	42.3	0.2
150°-160°	28.7	0.1
160°-170°	16.3	0.1
170°-180°	4.9	0.0
0°-30°	11475.2	44.0
0°-40°	17612.0	67.5
0°-60°	22892.6	87.7
0°-90°	24975.3	95.7
90°-120°	906.6	3.5
90°-150°	1077.0	4.1
90°-180°	1127.0	4.3
0°-180°	26102.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14817	
5°	14775	###
15°	14260	4024
25°	13172	6047
35°	9950	6137
45°	4762	3693
55°	1579	1588
65°	1381	1304
75°	462	536
85°	202	179
90°	249	140
95°	373	312
105°	336	354
115°	159	164
125°	77	73
135°	71	55
145°	67	42
155°	62	29
165°	57	16
175°	51	5
180°	52	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14817.4
2.5°	14800.0
5°	14774.8
7.5°	14709.7
10°	14586.4
12.5°	14427.4
15°	14259.8
17.5°	14056.6
20°	13796.9
22.5°	13513.8
25°	13172.5
27.5°	12753.9
30°	12202.4
32.5°	11187.1
35°	9950.4
37.5°	8613.7
40°	7231.1
42.5°	5922.3
45°	4762.0
47.5°	3680.7
50°	2680.2
52.5°	1851.6
55°	1578.9
57.5°	1569.4
60°	1548.5
62.5°	1487.7
65°	1380.9
67.5°	1175.9
70°	906.7
72.5°	648.8
75°	462.0
77.5°	340.5
80°	261.4
82.5°	217.1
85°	202.4
87.5°	214.5
90°	249.3
92.5°	310.1
95°	372.6
97.5°	411.7
100°	414.3
102.5°	381.3
105°	336.1
107.5°	288.3
110°	242.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	198.9
115°	158.9
117.5°	127.7
120°	104.2
122.5°	87.7
125°	77.3
127.5°	72.1
130°	70.3
132.5°	70.3
135°	71.2
137.5°	72.1
140°	71.2
142.5°	69.5
145°	66.9
147.5°	65.1
150°	63.4
152.5°	62.5
155°	61.7
157.5°	61.7
160°	60.8
162.5°	59.1
165°	57.3
167.5°	54.7
170°	52.1
172.5°	50.4
175°	51.2
177.5°	52.1
180°	52.1

(END OF REPORT)