

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: P1505022

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505022
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-84)
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-CLER-PS (6500K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

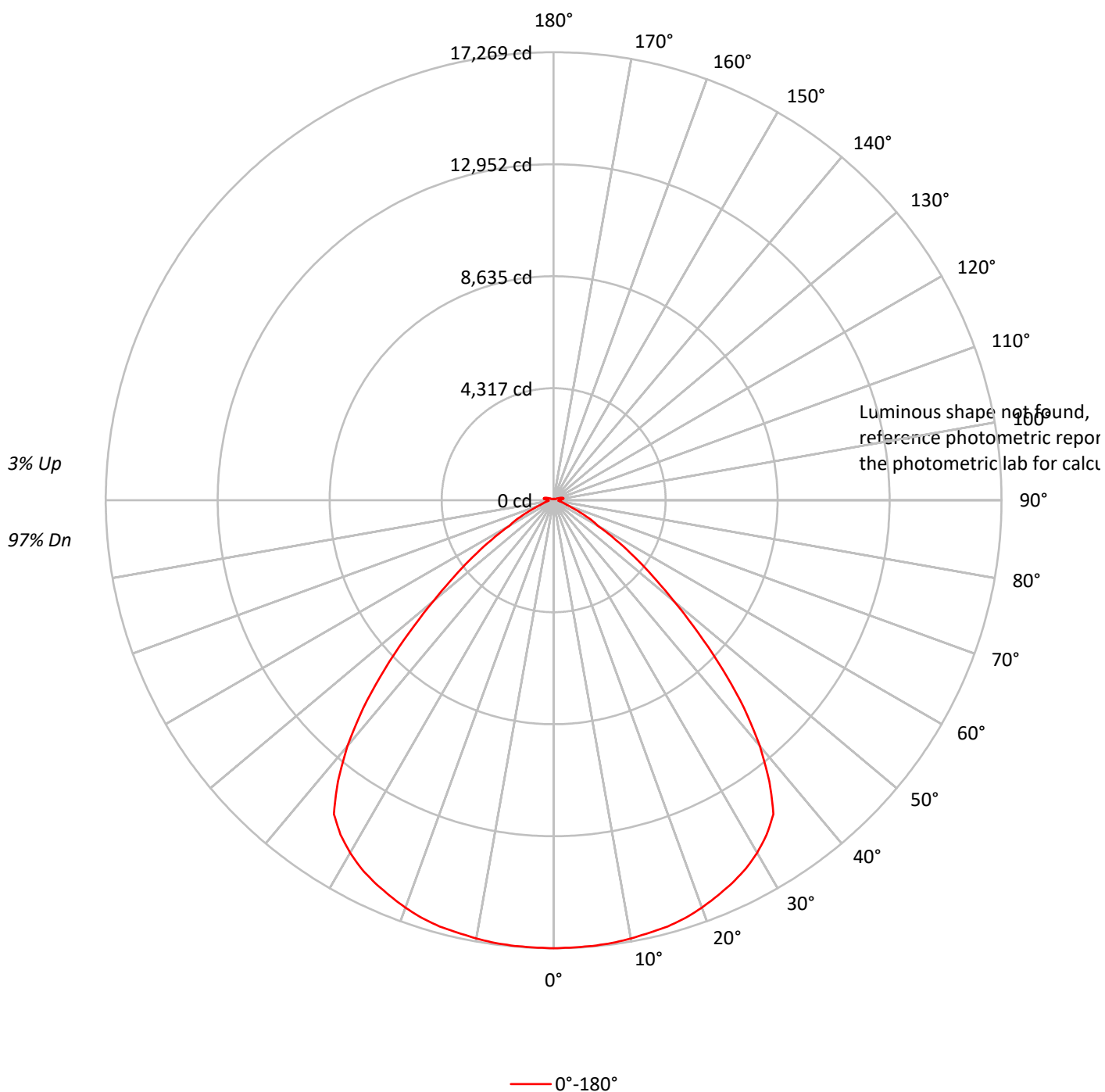
Lumens per Lamp: N/A
Luminaire Lumens: 36416.8 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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



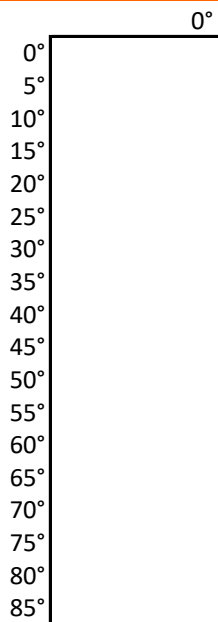
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	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	104	104	104	99	99	99	99	99	97
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	90	89	89	89	87
2	103	97	91	87	100	94	90	85	91	87	83	87	84	81	84	81	79	79	79	77
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	76	73	70	70	70	68
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	66	62	62	62	60
5	83	72	64	58	80	70	63	58	68	62	57	66	61	56	64	59	56	56	56	54
6	77	65	58	52	75	64	57	52	62	56	51	60	55	51	59	54	50	50	50	48
7	72	60	52	47	70	59	52	47	57	51	46	56	50	46	54	49	45	45	45	43
8	67	55	47	42	65	54	47	42	53	46	42	51	46	41	50	45	41	41	41	39
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	37	37	36
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	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°	1643.2	4.5
10°-20°	4805.8	13.2
20°-30°	7510.1	20.6
30°-40°	9029.3	24.8
40°-50°	7063.4	19.4
50°-60°	3432.2	9.4
60°-70°	1202.6	3.3
70°-80°	412.2	1.1
80°-90°	220.8	0.6
90°-100°	339.8	0.9
100°-110°	364.0	1.0
110°-120°	177.8	0.5
120°-130°	73.0	0.2
130°-140°	50.9	0.1
140°-150°	42.6	0.1
150°-160°	29.9	0.1
160°-170°	15.1	0.0
170°-180°	4.1	0.0
0°-30°	13959.1	38.3
0°-40°	22988.4	63.1
0°-60°	33484.0	91.9
0°-90°	35319.6	97.0
90°-120°	881.6	2.4
90°-150°	1048.1	2.9
90°-180°	1097.0	3.0
0°-180°	36416.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17269	
5°	17244	###
15°	17006	4806
25°	16286	7510
35°	14771	9029
45°	9214	7063
55°	3795	3432
65°	1188	1203
75°	380	412
85°	184	167
90°	210	119
95°	319	275
105°	354	364
115°	173	178
125°	77	73
135°	66	51
145°	68	43
155°	64	30
165°	53	15
175°	41	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17269.1
2.5°	17252.7
5°	17244.5
7.5°	17212.8
10°	17153.1
12.5°	17074.6
15°	17005.5
17.5°	16887.1
20°	16710.2
22.5°	16504.0
25°	16286.1
27.5°	16024.8
30°	15694.4
32.5°	15289.0
35°	14771.1
37.5°	13661.5
40°	12362.2
42.5°	10864.8
45°	9213.9
47.5°	7551.3
50°	6045.8
52.5°	4816.7
55°	3795.0
57.5°	2833.1
60°	1977.8
62.5°	1612.2
65°	1188.1
67.5°	808.4
70°	572.9
72.5°	453.4
75°	379.6
77.5°	316.3
80°	254.2
82.5°	208.6
85°	184.0
87.5°	185.1
90°	209.7
92.5°	261.3
95°	318.7
97.5°	366.7
100°	390.2
102.5°	382.0
105°	353.8
107.5°	311.7
110°	263.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	215.6
115°	173.4
117.5°	137.1
120°	109.0
122.5°	90.2
125°	77.3
127.5°	69.1
130°	65.6
132.5°	64.4
135°	65.6
137.5°	66.8
140°	66.8
142.5°	68.0
145°	68.0
147.5°	68.0
150°	68.0
152.5°	66.8
155°	64.4
157.5°	62.1
160°	59.8
162.5°	56.2
165°	52.7
167.5°	49.2
170°	45.7
172.5°	43.4
175°	41.0
177.5°	39.8
180°	38.7

(END OF REPORT)