

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: P1505372

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505372
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-94)
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-CLER-PS (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

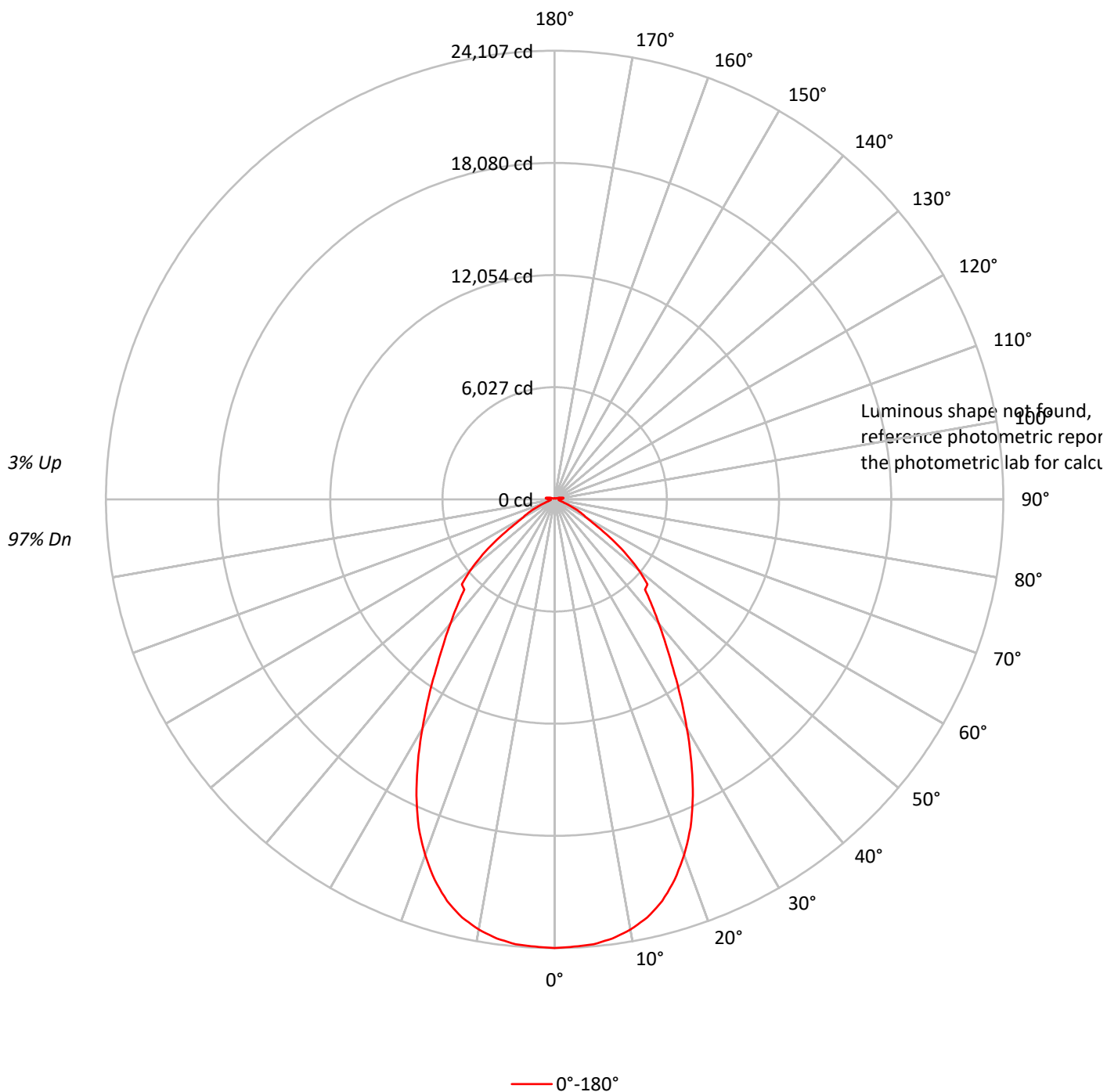
Lumens per Lamp: N/A
Luminaire Lumens: 35518.6 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 233.3
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



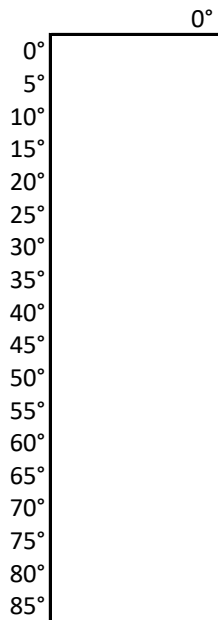
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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			97
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89			87
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79			77
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71			69
4	90	80	73	68	88	79	73	68	76	71	66	74	69	65	71	67	64			62
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58			56
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53			51
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48			46
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44			43
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	45	41			39
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38			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°	2273.5	6.4
10°-20°	6239.6	17.6
20°-30°	7996.6	22.5
30°-40°	6987.1	19.7
40°-50°	5521.1	15.5
50°-60°	3398.9	9.6
60°-70°	1253.8	3.5
70°-80°	374.0	1.1
80°-90°	256.9	0.7
90°-100°	463.7	1.3
100°-110°	402.8	1.1
110°-120°	164.6	0.5
120°-130°	62.5	0.2
130°-140°	43.0	0.1
140°-150°	35.1	0.1
150°-160°	25.5	0.1
160°-170°	15.1	0.0
170°-180°	5.1	0.0
0°-30°	16509.6	46.5
0°-40°	23496.7	66.2
0°-60°	32416.7	91.3
0°-90°	34301.5	96.6
90°-120°	1031.0	2.9
90°-150°	1171.5	3.3
90°-180°	1217.0	3.4
0°-180°	35518.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24107	
5°	23997	###
15°	22340	6240
25°	17571	7997
35°	11078	6987
45°	6860	5521
55°	3811	3399
65°	1269	1254
75°	324	374
85°	215	181
90°	306	170
95°	447	370
105°	387	403
115°	156	165
125°	66	62
135°	55	43
145°	56	35
155°	55	25
165°	52	15
175°	54	5
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	24107.0
2.5°	24049.6
5°	23997.2
7.5°	23795.8
10°	23472.3
12.5°	23004.8
15°	22339.6
17.5°	21433.9
20°	20341.4
22.5°	19079.3
25°	17570.7
27.5°	15905.7
30°	14211.5
32.5°	12583.3
35°	11078.2
37.5°	9802.7
40°	8701.7
42.5°	7739.9
45°	6859.8
47.5°	6761.0
50°	5880.9
52.5°	4869.0
55°	3810.7
57.5°	2701.2
60°	1977.4
62.5°	1650.3
65°	1269.4
67.5°	884.9
70°	592.0
72.5°	413.8
75°	323.5
77.5°	271.0
80°	229.5
82.5°	209.9
85°	214.8
87.5°	249.0
90°	306.4
92.5°	380.8
95°	446.7
97.5°	482.1
100°	476.0
102.5°	439.4
105°	386.9
107.5°	324.7
110°	261.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	203.8
115°	156.2
117.5°	120.8
120°	95.2
122.5°	76.9
125°	65.9
127.5°	58.6
130°	56.1
132.5°	54.9
135°	54.9
137.5°	56.1
140°	56.1
142.5°	56.1
145°	56.1
147.5°	54.9
150°	56.1
152.5°	54.9
155°	54.9
157.5°	54.9
160°	54.9
162.5°	53.7
165°	52.5
167.5°	52.5
170°	51.3
172.5°	52.5
175°	53.7
177.5°	56.1
180°	56.1

(END OF REPORT)