

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: P1505012

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505012
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-82)
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 (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

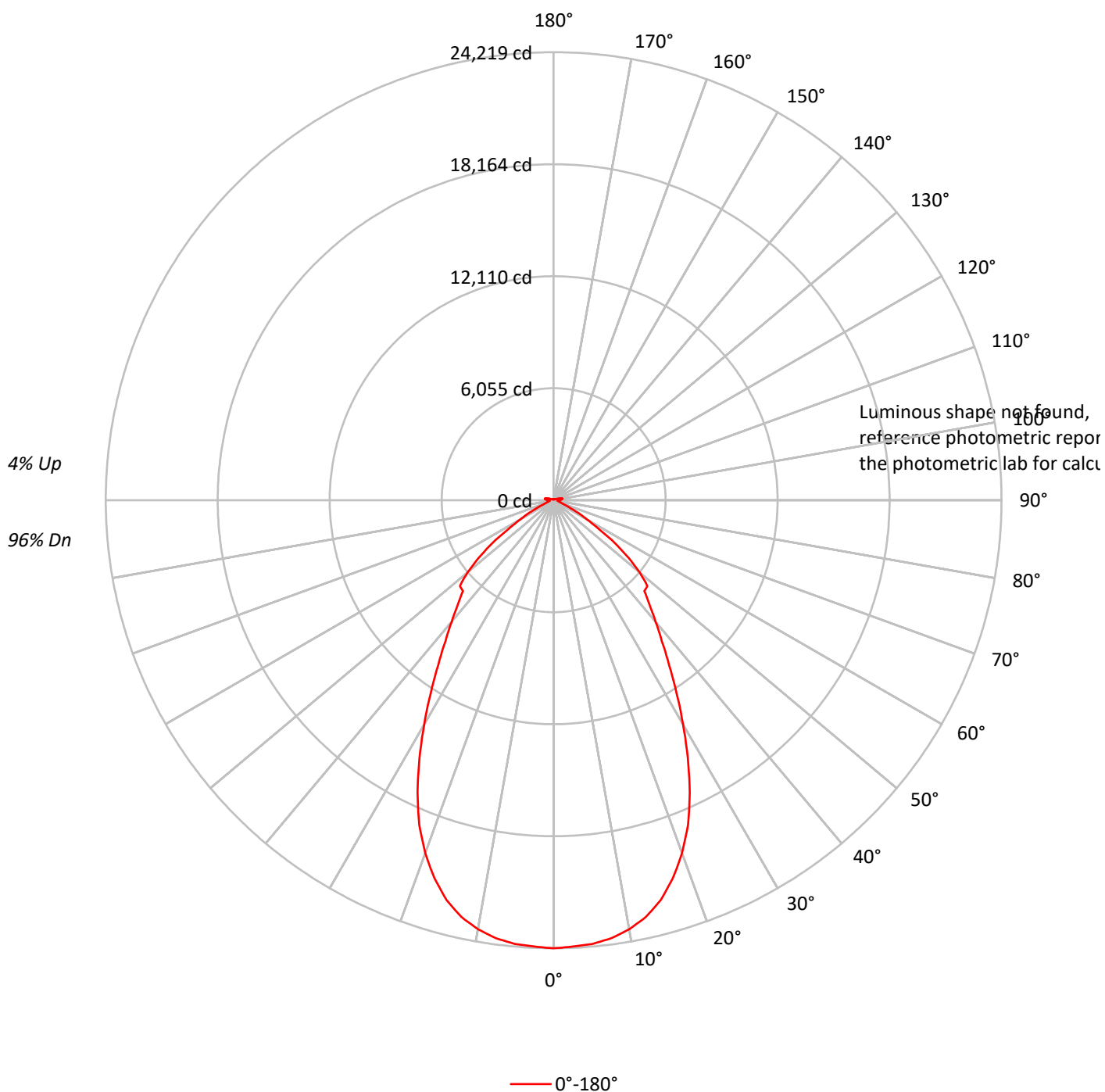
Lumens per Lamp: N/A
Luminaire Lumens: 35400.2 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





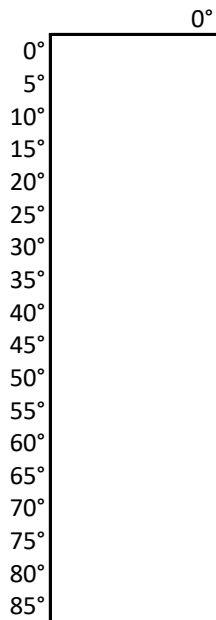
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96		
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	87	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	74	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	44	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°	2281.4	6.4
10°-20°	6244.7	17.6
20°-30°	7925.6	22.4
30°-40°	6866.6	19.4
40°-50°	5555.6	15.7
50°-60°	3577.7	10.1
60°-70°	1099.2	3.1
70°-80°	353.8	1.0
80°-90°	253.1	0.7
90°-100°	445.0	1.3
100°-110°	423.4	1.2
110°-120°	179.8	0.5
120°-130°	67.3	0.2
130°-140°	44.1	0.1
140°-150°	37.0	0.1
150°-160°	26.6	0.1
160°-170°	14.8	0.0
170°-180°	4.6	0.0
0°-30°	16451.7	46.5
0°-40°	23318.3	65.9
0°-60°	32451.5	91.7
0°-90°	34157.6	96.5
90°-120°	1048.3	3.0
90°-150°	1196.6	3.4
90°-180°	1243.0	3.5
0°-180°	35400.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24219	
5°	24079	###
15°	22371	6245
25°	17414	7926
35°	10874	6867
45°	6937	5556
55°	4038	3578
65°	1014	1099
75°	328	354
85°	211	181
90°	288	161
95°	422	357
105°	410	423
115°	172	180
125°	71	67
135°	56	44
145°	59	37
155°	57	27
165°	51	15
175°	48	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	24219.3
2.5°	24144.9
5°	24078.9
7.5°	23877.5
10°	23549.2
12.5°	23067.1
15°	22371.3
17.5°	21422.9
20°	20296.3
22.5°	18979.2
25°	17414.4
27.5°	15704.4
30°	13989.4
32.5°	12378.2
35°	10874.4
37.5°	9614.7
40°	8572.3
42.5°	7674.0
45°	6936.7
47.5°	6875.7
50°	6077.4
52.5°	5100.9
55°	4037.8
57.5°	2889.2
60°	2087.2
62.5°	1535.5
65°	1014.3
67.5°	648.1
70°	462.6
72.5°	375.9
75°	328.3
77.5°	284.4
80°	241.7
82.5°	212.4
85°	211.2
87.5°	239.2
90°	288.1
92.5°	356.4
95°	422.3
97.5°	468.7
100°	482.1
102.5°	458.9
105°	410.1
107.5°	346.7
110°	282.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	222.2
115°	172.1
117.5°	133.0
120°	103.8
122.5°	84.2
125°	70.8
127.5°	62.3
130°	58.6
132.5°	56.1
135°	56.1
137.5°	57.4
140°	57.4
142.5°	58.6
145°	58.6
147.5°	59.8
150°	59.8
152.5°	58.6
155°	57.4
157.5°	56.1
160°	54.9
162.5°	53.7
165°	51.3
167.5°	50.0
170°	48.8
172.5°	47.6
175°	47.6
177.5°	46.4
180°	46.4

(END OF REPORT)