

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: P1505011

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505011
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-83)
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_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

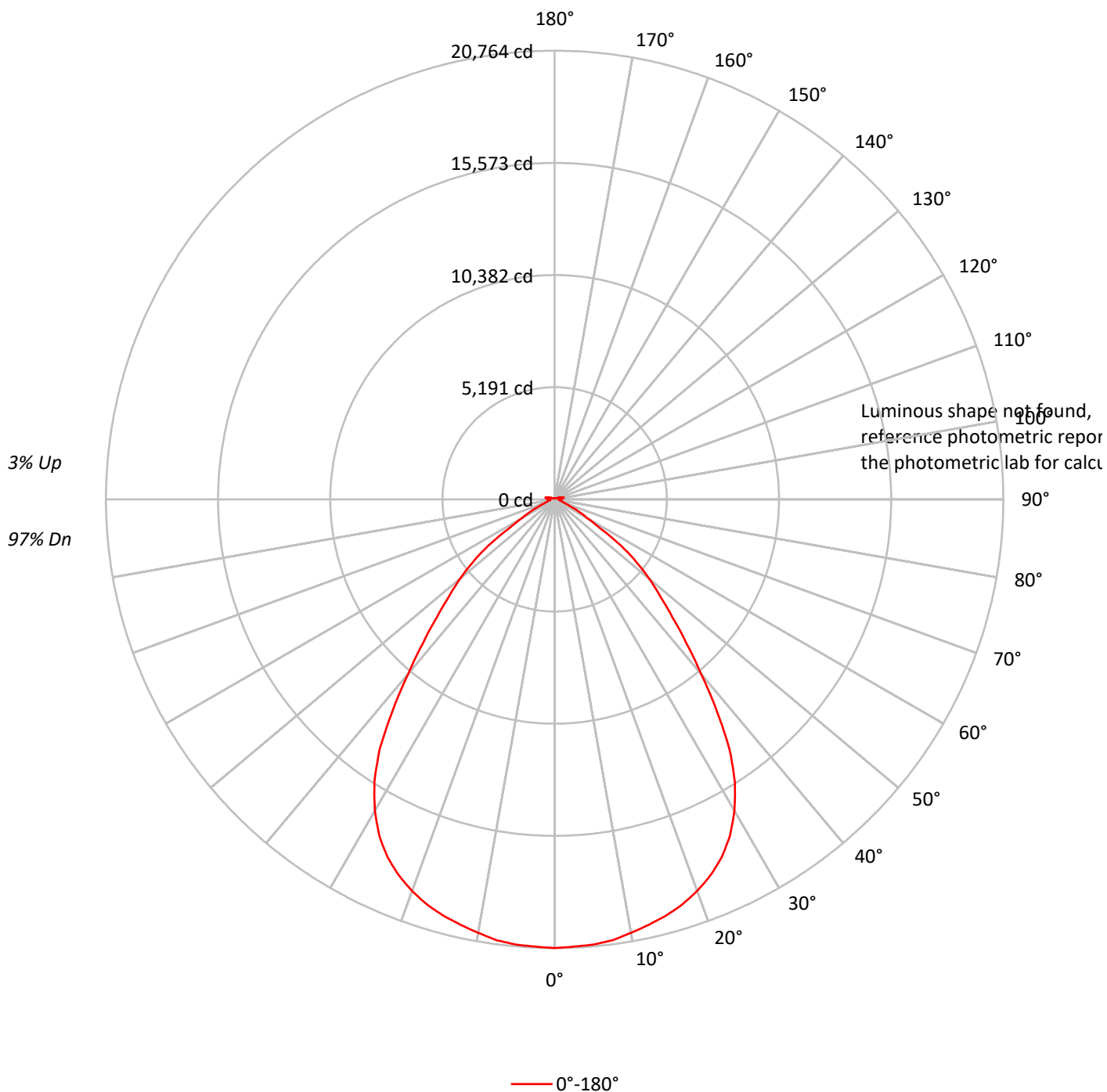
Lumens per Lamp: N/A
Luminaire Lumens: 36705.4 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





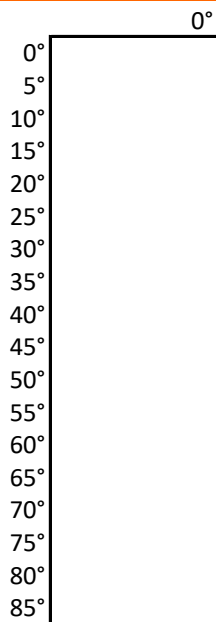
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	104	97	92	88	101	95	90	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	59	49	42	37	47	41	37	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1964.5	5.4
10°-20°	5624.4	15.3
20°-30°	8371.1	22.8
30°-40°	8646.6	23.6
40°-50°	6042.3	16.5
50°-60°	3301.1	9.0
60°-70°	1014.4	2.8
70°-80°	357.5	1.0
80°-90°	228.2	0.6
90°-100°	388.1	1.1
100°-110°	389.2	1.1
110°-120°	176.4	0.5
120°-130°	69.1	0.2
130°-140°	46.8	0.1
140°-150°	39.3	0.1
150°-160°	27.7	0.1
160°-170°	14.3	0.0
170°-180°	4.2	0.0
0°-30°	15960.1	43.5
0°-40°	24606.7	67.0
0°-60°	33950.2	92.5
0°-90°	35550.3	96.9
90°-120°	953.7	2.6
90°-150°	1108.8	3.0
90°-180°	1155.0	3.1
0°-180°	36705.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20764	
5°	20678	###
15°	19936	5624
25°	18281	8371
35°	14108	8647
45°	7698	6042
55°	3769	3301
65°	975	1014
75°	333	357
85°	190	167
90°	244	137
95°	366	313
105°	377	389
115°	171	176
125°	73	69
135°	60	47
145°	62	39
155°	60	28
165°	50	14
175°	43	4
180°	43	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20763.8
2.5°	20719.8
5°	20678.3
7.5°	20575.8
10°	20369.5
12.5°	20158.3
15°	19936.2
17.5°	19656.7
20°	19288.1
22.5°	18835.2
25°	18281.1
27.5°	17563.3
30°	16645.4
32.5°	15523.7
35°	14107.8
37.5°	12312.3
40°	10549.7
42.5°	9025.2
45°	7698.4
47.5°	6608.4
50°	5730.8
52.5°	4776.2
55°	3769.2
57.5°	2581.6
60°	1767.4
62.5°	1376.8
65°	975.3
67.5°	651.8
70°	469.9
72.5°	384.5
75°	333.2
77.5°	284.4
80°	235.6
82.5°	200.2
85°	190.4
87.5°	206.3
90°	244.1
92.5°	305.2
95°	366.2
97.5°	413.8
100°	433.3
102.5°	416.2
105°	377.2
107.5°	324.7
110°	268.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	216.0
115°	170.9
117.5°	133.0
120°	105.0
122.5°	85.4
125°	73.2
127.5°	64.7
130°	61.0
132.5°	59.8
135°	59.8
137.5°	61.0
140°	61.0
142.5°	62.3
145°	62.3
147.5°	63.5
150°	63.5
152.5°	62.3
155°	59.8
157.5°	57.4
160°	54.9
162.5°	52.5
165°	50.0
167.5°	47.6
170°	45.2
172.5°	43.9
175°	42.7
177.5°	42.7
180°	42.7

(END OF REPORT)