

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: P1505543

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (4000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505543
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-118)
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 (4000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

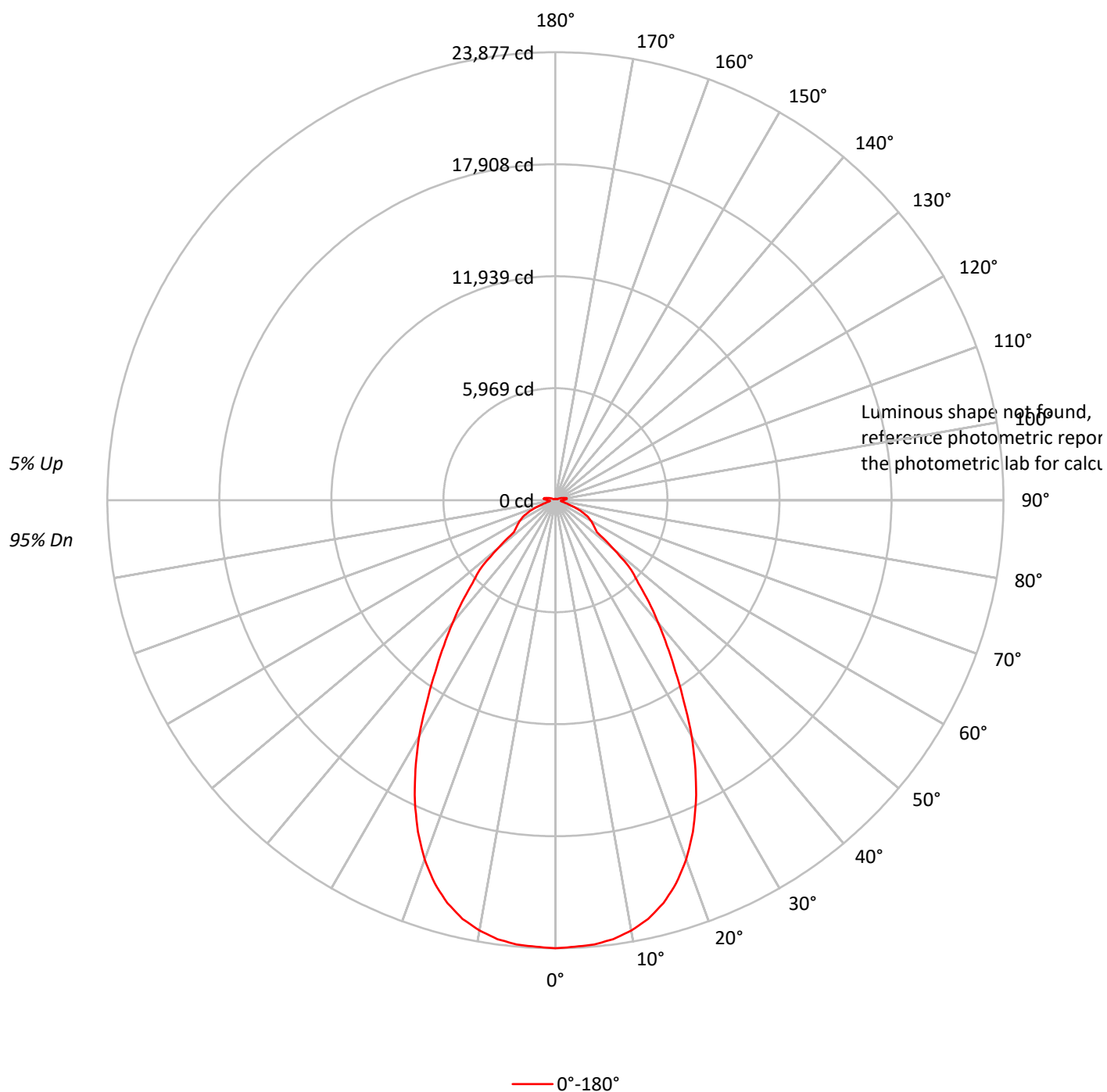
Lumens per Lamp: N/A
Luminaire Lumens: 35075.5 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 231.9
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





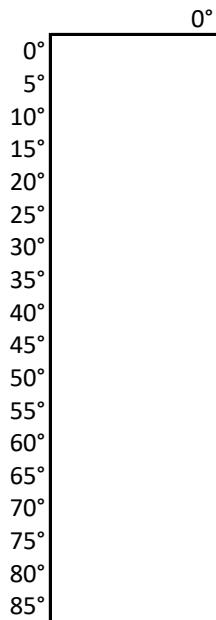
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	103	103	98	98	98	95		
1	110	107	103	101	107	104	101	99	99	97	95	95	93	91	90	89	88	85		
2	103	97	91	87	100	94	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	81	76	93	86	80	75	83	78	74	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	79	68	60	55	77	67	60	55	64	58	54	62	57	53	61	56	52	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	38	46	42	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°	2253.3	6.4
10°-20°	6216.9	17.7
20°-30°	8073.1	23.0
30°-40°	7021.2	20.0
40°-50°	4863.0	13.9
50°-60°	2411.4	6.9
60°-70°	1649.2	4.7
70°-80°	633.1	1.8
80°-90°	342.9	1.0
90°-100°	590.3	1.7
100°-110°	512.2	1.5
110°-120°	225.4	0.6
120°-130°	95.8	0.3
130°-140°	69.6	0.2
140°-150°	53.7	0.2
150°-160°	37.0	0.1
160°-170°	21.0	0.1
170°-180°	6.5	0.0
0°-30°	16543.3	47.2
0°-40°	23564.5	67.2
0°-60°	30838.9	87.9
0°-90°	33464.0	95.4
90°-120°	1327.9	3.8
90°-150°	1547.0	4.4
90°-180°	1611.0	4.6
0°-180°	35075.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23877	
5°	23764	###
15°	22230	6217
25°	17719	8073
35°	11148	7021
45°	6226	4863
55°	2556	2411
65°	1701	1649
75°	548	633
85°	288	246
90°	386	216
95°	568	472
105°	486	512
115°	217	225
125°	102	96
135°	91	70
145°	85	54
155°	80	37
165°	74	21
175°	69	6
180°	69	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23877.1
2.5°	23819.0
5°	23764.5
7.5°	23593.8
10°	23285.0
12.5°	22852.7
15°	22230.3
17.5°	21408.2
20°	20368.0
22.5°	19134.1
25°	17718.6
27.5°	16160.3
30°	14517.1
32.5°	12743.2
35°	11148.5
37.5°	9762.0
40°	8522.1
42.5°	7368.1
45°	6226.3
47.5°	5478.0
50°	4027.3
52.5°	2776.5
55°	2556.1
57.5°	2369.7
60°	2180.8
62.5°	1971.3
65°	1701.3
67.5°	1386.4
70°	1051.0
72.5°	751.9
75°	548.5
77.5°	414.1
80°	328.1
82.5°	289.4
85°	288.2
87.5°	322.1
90°	386.3
92.5°	478.3
95°	567.9
97.5°	618.8
100°	613.9
102.5°	558.2
105°	485.6
107.5°	411.7
110°	340.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	274.9
115°	216.7
117.5°	171.9
120°	139.2
122.5°	116.2
125°	101.7
127.5°	93.2
130°	89.6
132.5°	88.4
135°	90.8
137.5°	90.8
140°	89.6
142.5°	88.4
145°	84.8
147.5°	82.3
150°	81.1
152.5°	79.9
155°	79.9
157.5°	79.9
160°	78.7
162.5°	76.3
165°	73.9
167.5°	70.2
170°	67.8
172.5°	66.6
175°	69.0
177.5°	69.0
180°	69.0

(END OF REPORT)