

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: P1505552

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505552
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 (5000K_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

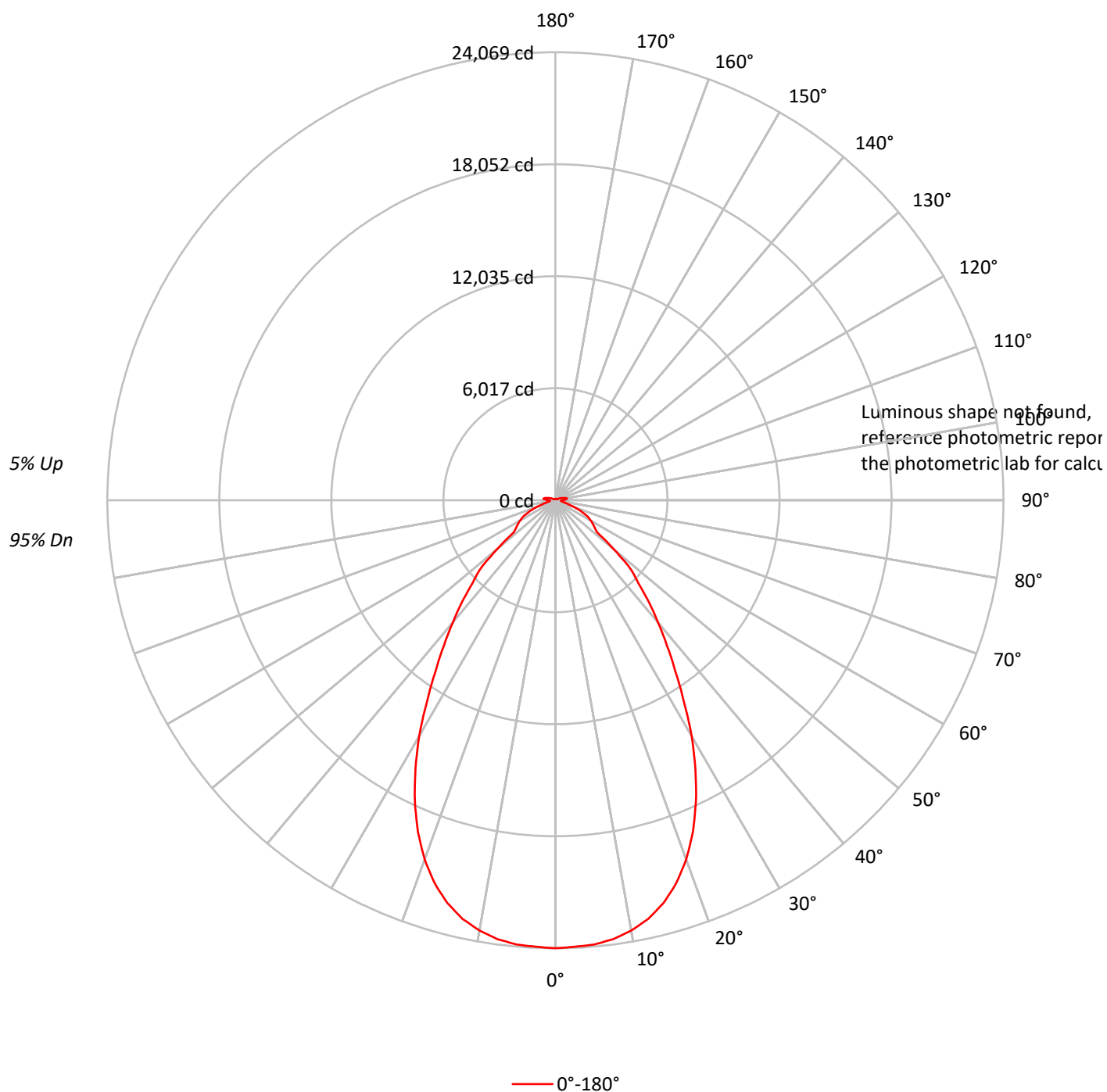
Lumens per Lamp: N/A
Luminaire Lumens: 35357.7 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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



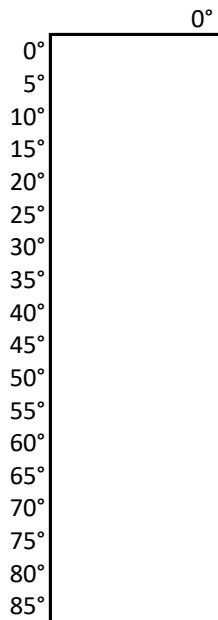
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	70	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°	2271.5	6.4
10°-20°	6266.9	17.7
20°-30°	8138.1	23.0
30°-40°	7077.6	20.0
40°-50°	4902.1	13.9
50°-60°	2430.8	6.9
60°-70°	1662.5	4.7
70°-80°	638.2	1.8
80°-90°	345.7	1.0
90°-100°	595.0	1.7
100°-110°	516.3	1.5
110°-120°	227.3	0.6
120°-130°	96.6	0.3
130°-140°	70.1	0.2
140°-150°	54.1	0.2
150°-160°	37.3	0.1
160°-170°	21.1	0.1
170°-180°	6.5	0.0
0°-30°	16676.4	47.2
0°-40°	23754.1	67.2
0°-60°	31086.9	87.9
0°-90°	33733.3	95.4
90°-120°	1338.6	3.8
90°-150°	1559.4	4.4
90°-180°	1624.0	4.6
0°-180°	35357.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24069	
5°	23956	###
15°	22409	6267
25°	17861	8138
35°	11238	7078
45°	6276	4902
55°	2577	2431
65°	1715	1662
75°	553	638
85°	290	248
90°	389	217
95°	572	476
105°	490	516
115°	218	227
125°	102	97
135°	92	70
145°	85	54
155°	81	37
165°	74	21
175°	70	7
180°	70	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	24069.2
2.5°	24010.6
5°	23955.7
7.5°	23783.6
10°	23472.3
12.5°	23036.6
15°	22409.2
17.5°	21580.4
20°	20531.9
22.5°	19288.1
25°	17861.2
27.5°	16290.2
30°	14633.9
32.5°	12845.7
35°	11238.1
37.5°	9840.5
40°	8590.6
42.5°	7427.4
45°	6276.4
47.5°	5522.0
50°	4059.7
52.5°	2798.9
55°	2576.7
57.5°	2388.7
60°	2198.3
62.5°	1987.2
65°	1715.0
67.5°	1397.6
70°	1059.5
72.5°	758.0
75°	552.9
77.5°	417.4
80°	330.8
82.5°	291.7
85°	290.5
87.5°	324.7
90°	389.4
92.5°	482.1
95°	572.5
97.5°	623.7
100°	618.8
102.5°	562.7
105°	489.5
107.5°	415.0
110°	343.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	277.1
115°	218.5
117.5°	173.3
120°	140.4
122.5°	117.2
125°	102.5
127.5°	94.0
130°	90.3
132.5°	89.1
135°	91.5
137.5°	91.5
140°	90.3
142.5°	89.1
145°	85.4
147.5°	83.0
150°	81.8
152.5°	80.6
155°	80.6
157.5°	80.6
160°	79.3
162.5°	76.9
165°	74.5
167.5°	70.8
170°	68.4
172.5°	67.1
175°	69.6
177.5°	69.6
180°	69.6

(END OF REPORT)