

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: P1505535

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505535
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-120)
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 (3500K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

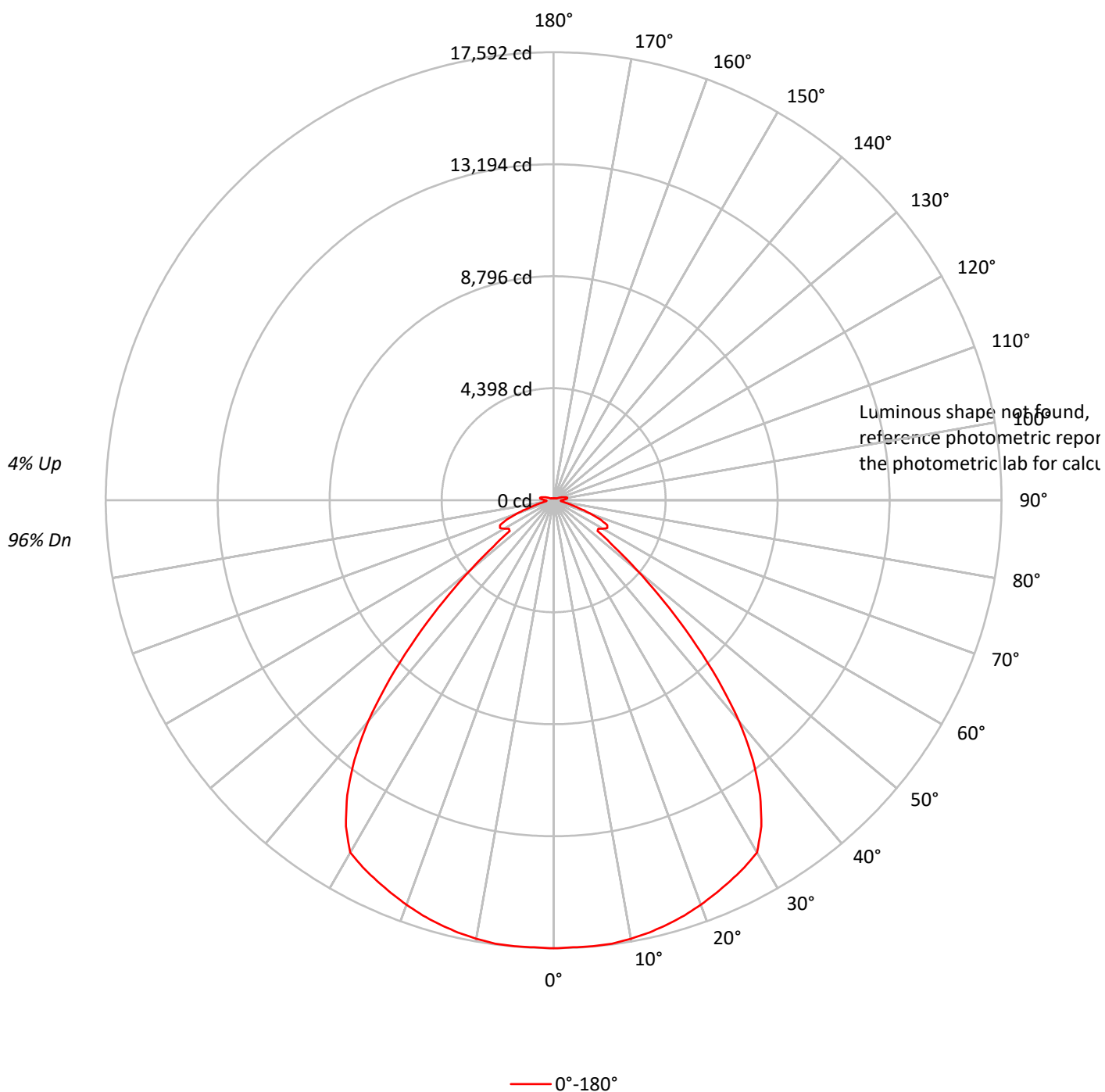
Lumens per Lamp: N/A
Luminaire Lumens: 35938.0 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 235.4
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



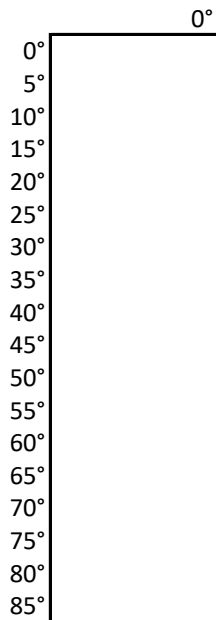
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	96		
1	110	106	103	100	107	104	100	98	99	96	94	94	92	90	90	88	87	85		
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77	75		
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	66		
4	88	78	71	65	86	76	70	64	74	68	63	71	66	62	68	64	61	59		
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	54	52		
6	76	65	57	52	74	64	57	51	62	55	50	60	54	50	58	53	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	53	48	44	43		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	41	39		
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37	35		
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1675.5	4.7
10°-20°	4875.5	13.6
20°-30°	7606.5	21.2
30°-40°	8711.6	24.2
40°-50°	5888.2	16.4
50°-60°	2318.2	6.5
60°-70°	2125.6	5.9
70°-80°	871.9	2.4
80°-90°	333.9	0.9
90°-100°	500.2	1.4
100°-110°	478.9	1.3
110°-120°	230.2	0.6
120°-130°	106.1	0.3
130°-140°	81.4	0.2
140°-150°	62.3	0.2
150°-160°	41.6	0.1
160°-170°	23.3	0.1
170°-180°	7.1	0.0
0°-30°	14157.6	39.4
0°-40°	22869.1	63.6
0°-60°	31075.5	86.5
0°-90°	34406.8	95.7
90°-120°	1209.3	3.4
90°-150°	1459.2	4.1
90°-180°	1531.0	4.3
0°-180°	35938.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17592	
5°	17583	###
15°	17247	4876
25°	16470	7607
35°	14138	8712
45°	7630	5888
55°	2109	2318
65°	2325	2126
75°	746	872
85°	278	252
90°	317	179
95°	477	403
105°	457	479
115°	223	230
125°	113	106
135°	106	81
145°	99	62
155°	90	42
165°	81	23
175°	76	7
180°	76	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17592.4
2.5°	17571.5
5°	17583.1
7.5°	17563.4
10°	17483.2
12.5°	17383.2
15°	17247.2
17.5°	17092.6
20°	16904.3
22.5°	16686.9
25°	16469.5
27.5°	16245.2
30°	15974.3
32.5°	15182.7
35°	14137.7
37.5°	12856.6
40°	11335.0
42.5°	9527.4
45°	7630.3
47.5°	5852.9
50°	4253.4
52.5°	2978.2
55°	2108.7
57.5°	2078.5
60°	2236.5
62.5°	2372.5
65°	2324.9
67.5°	2002.9
70°	1529.8
72.5°	1070.6
75°	746.3
77.5°	534.7
80°	392.9
82.5°	311.5
85°	277.8
87.5°	280.1
90°	317.3
92.5°	391.7
95°	476.6
97.5°	534.7
100°	546.3
102.5°	513.8
105°	456.8
107.5°	396.4
110°	334.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	276.7
115°	223.2
117.5°	181.3
120°	148.8
122.5°	126.7
125°	112.8
127.5°	105.8
130°	103.5
132.5°	103.5
135°	105.8
137.5°	106.9
140°	105.8
142.5°	102.3
145°	98.8
147.5°	95.3
150°	93.0
152.5°	90.7
155°	89.5
157.5°	88.3
160°	87.2
162.5°	84.9
165°	81.4
167.5°	79.0
170°	75.6
172.5°	73.2
175°	75.6
177.5°	75.6
180°	75.6

(END OF REPORT)