

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: P1505524

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505524
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)
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 (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

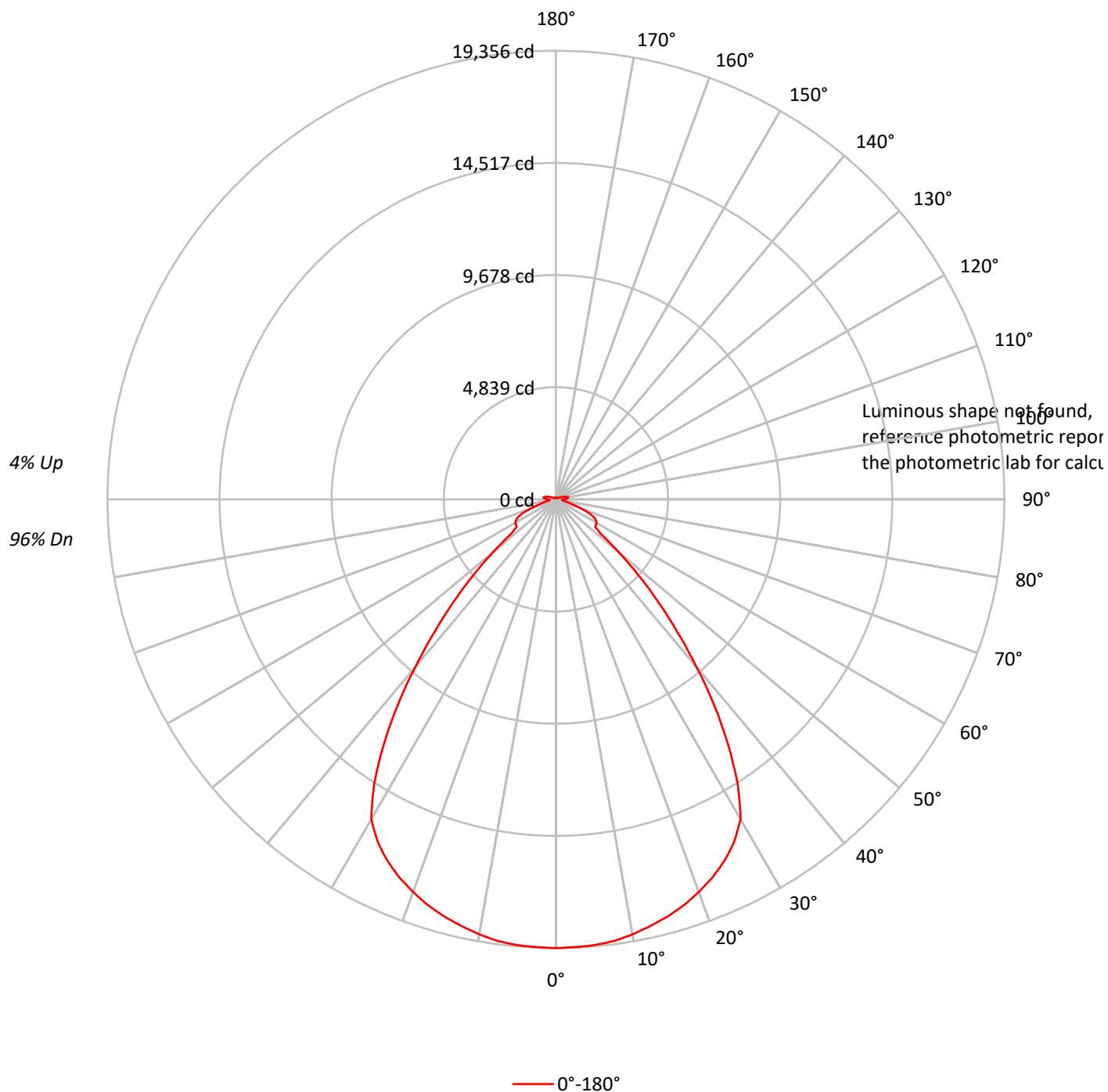
Lumens per Lamp: N/A
Luminaire Lumens: 34097.1 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 237.6
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



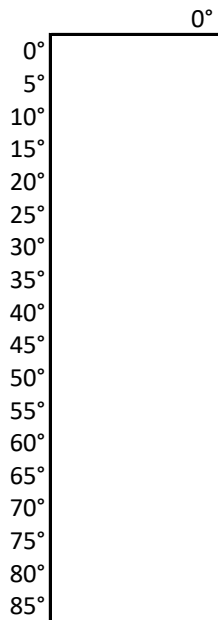
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98
1	110	107	103	100	107	104	101	98	99	97	94	95	93	91	90	89	87
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78
3	96	87	81	76	93	85	80	75	82	77	73	79	75	71	76	73	70
4	89	79	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62
5	83	73	65	60	81	71	64	59	69	63	58	67	61	57	64	60	56
6	78	67	59	54	76	66	59	53	63	57	53	62	56	52	60	55	51
7	73	61	54	49	71	60	53	49	59	52	48	57	51	47	55	51	47
8	68	57	50	45	67	56	49	44	54	48	44	53	47	43	52	47	43
9	64	53	46	41	63	52	45	41	51	45	40	49	44	40	48	43	39
10	61	49	42	38	59	48	42	37	47	41	37	46	41	37	45	40	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°	1834.7	5.4
10°-20°	5256.2	15.4
20°-30°	7899.1	23.2
30°-40°	8016.4	23.5
40°-50°	4823.9	14.1
50°-60°	2074.1	6.1
60°-70°	1703.9	5.0
70°-80°	699.9	2.1
80°-90°	316.8	0.9
90°-100°	507.8	1.5
100°-110°	461.8	1.4
110°-120°	214.7	0.6
120°-130°	95.4	0.3
130°-140°	71.9	0.2
140°-150°	55.3	0.2
150°-160°	37.5	0.1
160°-170°	21.2	0.1
170°-180°	6.4	0.0
0°-30°	14990.0	44.0
0°-40°	23006.4	67.5
0°-60°	29904.4	87.7
0°-90°	32625.0	95.7
90°-120°	1184.3	3.5
90°-150°	1406.9	4.1
90°-180°	1472.0	4.3
0°-180°	34097.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19356	
5°	19300	###
15°	18628	5256
25°	17207	7899
35°	12998	8016
45°	6220	4824
55°	2062	2074
65°	1804	1704
75°	604	700
85°	264	234
90°	326	183
95°	487	408
105°	439	462
115°	208	215
125°	101	95
135°	93	72
145°	87	55
155°	81	38
165°	75	21
175°	67	6
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19355.9
2.5°	19333.2
5°	19300.3
7.5°	19215.2
10°	19054.1
12.5°	18846.5
15°	18627.5
17.5°	18362.0
20°	18022.8
22.5°	17653.0
25°	17207.1
27.5°	16660.3
30°	15939.8
32.5°	14613.6
35°	12998.1
37.5°	11252.1
40°	9445.9
42.5°	7736.2
45°	6220.5
47.5°	4808.0
50°	3501.1
52.5°	2418.8
55°	2062.5
57.5°	2050.1
60°	2022.8
62.5°	1943.4
65°	1803.9
67.5°	1536.1
70°	1184.4
72.5°	847.5
75°	603.6
77.5°	444.7
80°	341.5
82.5°	283.6
85°	264.3
87.5°	280.2
90°	325.6
92.5°	405.0
95°	486.7
97.5°	537.8
100°	541.2
102.5°	498.0
105°	439.1
107.5°	376.7
110°	316.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	259.8
115°	207.6
117.5°	166.8
120°	136.1
122.5°	114.6
125°	101.0
127.5°	94.2
130°	91.9
132.5°	91.9
135°	93.0
137.5°	94.2
140°	93.0
142.5°	90.8
145°	87.4
147.5°	85.1
150°	82.8
152.5°	81.7
155°	80.6
157.5°	80.6
160°	79.4
162.5°	77.1
165°	74.9
167.5°	71.5
170°	68.1
172.5°	65.8
175°	66.9
177.5°	68.1
180°	68.1

(END OF REPORT)