

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: P1505596

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505596
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-125)
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-TRWH-PS (5000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

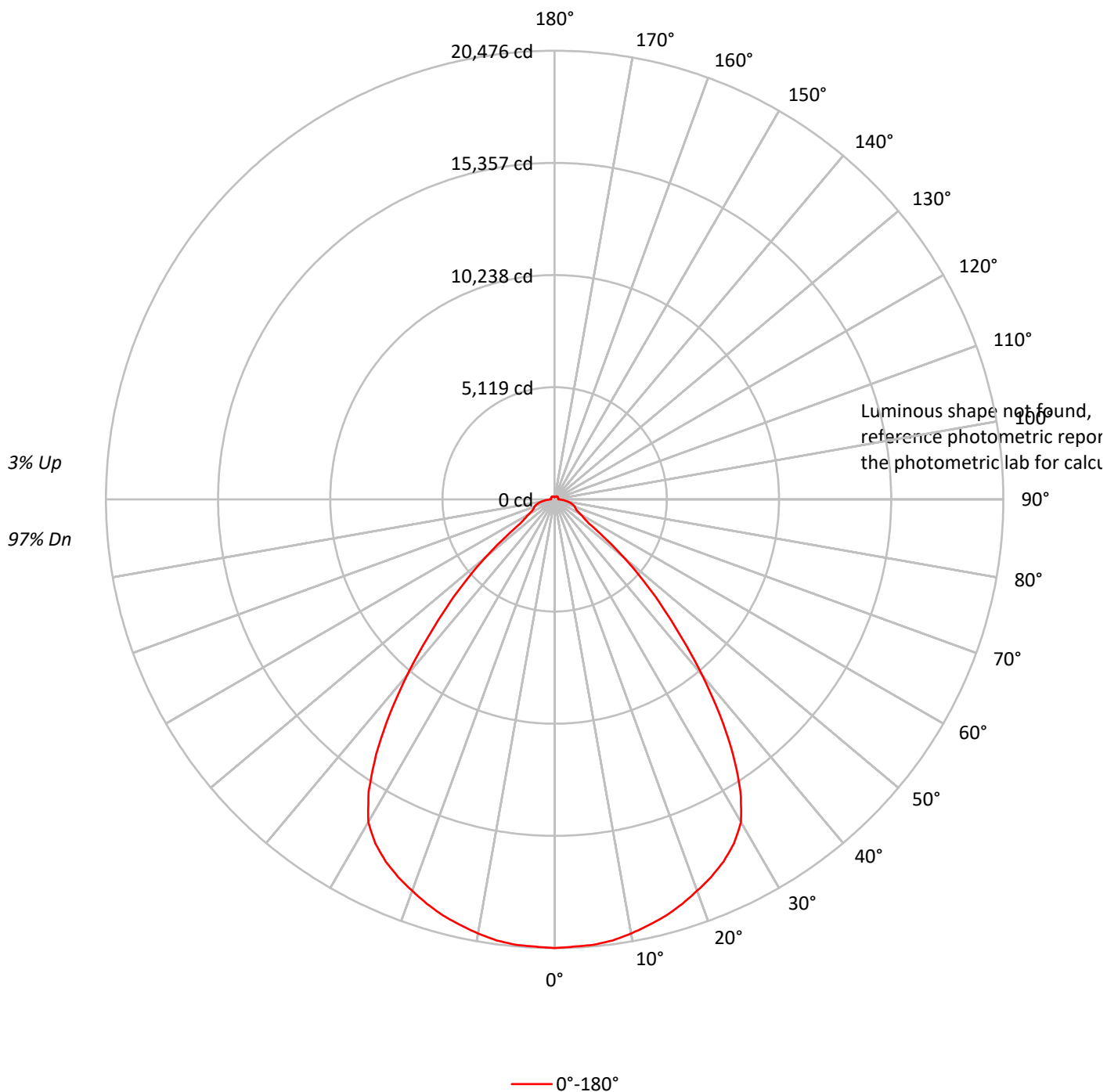
Lumens per Lamp: N/A
Luminaire Lumens: 35449.2 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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
RC	80					70						30						0
RW	70	50	30	10		70	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
1	111	107	104	101		108	104	102	99		100	97	95		96	94	92	92
2	103	97	92	87		101	95	90	86		91	87	84		87	84	81	84
3	96	88	82	76		94	86	80	76		83	78	74		80	76	72	77
4	90	80	73	68		88	79	72	67		76	71	66		74	69	65	71
5	84	73	66	61		82	72	65	60		70	64	59		68	63	59	66
6	79	67	60	55		77	66	59	54		64	58	54		63	57	53	61
7	74	62	55	50		72	61	54	49		60	53	49		58	53	48	57
8	69	58	50	45		68	57	50	45		55	49	45		54	48	44	53
9	65	53	46	42		64	53	46	41		51	45	41		50	45	41	49
10	61	50	43	38		60	49	43	38		48	42	38		47	41	38	46

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1938.6	5.5
10°-20°	5545.8	15.6
20°-30°	8375.4	23.6
30°-40°	8726.1	24.6
40°-50°	5427.9	15.3
50°-60°	2003.2	5.7
60°-70°	1103.9	3.1
70°-80°	868.5	2.5
80°-90°	430.5	1.2
90°-100°	183.8	0.5
100°-110°	183.2	0.5
110°-120°	172.6	0.5
120°-130°	152.3	0.4
130°-140°	126.8	0.4
140°-150°	99.7	0.3
150°-160°	67.2	0.2
160°-170°	34.0	0.1
170°-180°	9.7	0.0
0°-30°	15859.8	44.7
0°-40°	24585.8	69.4
0°-60°	32016.9	90.3
0°-90°	34419.9	97.1
90°-120°	539.6	1.5
90°-150°	918.3	2.6
90°-180°	1029.0	2.9
0°-180°	35449.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20476	
5°	20405	###
15°	19663	5546
25°	18235	8375
35°	14192	8726
45°	6982	5428
55°	1893	2003
65°	1079	1104
75°	832	869
85°	392	369
90°	173	107
95°	167	137
105°	173	183
115°	174	173
125°	170	152
135°	164	127
145°	159	100
155°	145	67
165°	118	34
175°	100	10
180°	100	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20475.7
2.5°	20428.1
5°	20404.9
7.5°	20302.4
10°	20116.9
12.5°	19899.6
15°	19662.8
17.5°	19355.2
20°	19008.5
22.5°	18658.2
25°	18234.7
27.5°	17706.1
30°	17010.4
32.5°	15787.4
35°	14192.0
37.5°	12367.2
40°	10459.4
42.5°	8602.9
45°	6981.9
47.5°	5502.5
50°	4122.0
52.5°	2807.4
55°	1893.2
57.5°	1588.0
60°	1365.9
62.5°	1184.0
65°	1079.0
67.5°	1024.1
70°	975.3
72.5°	914.2
75°	832.5
77.5°	738.5
80°	632.3
82.5°	513.9
85°	391.8
87.5°	272.2
90°	173.3
92.5°	164.8
95°	167.2
97.5°	169.7
100°	170.9
102.5°	172.1
105°	173.3
107.5°	174.5
110°	174.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	174.5
115°	174.5
117.5°	173.3
120°	172.1
122.5°	170.9
125°	169.7
127.5°	168.4
130°	167.2
132.5°	164.8
135°	163.6
137.5°	162.3
140°	161.1
142.5°	159.9
145°	158.7
147.5°	157.5
150°	155.0
152.5°	150.1
155°	145.3
157.5°	139.1
160°	133.0
162.5°	125.7
165°	118.4
167.5°	111.1
170°	105.0
172.5°	101.3
175°	100.1
177.5°	100.1
180°	100.1

(END OF REPORT)