

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: P1505170

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505170
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-107)
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-A-06-CLER-PS (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

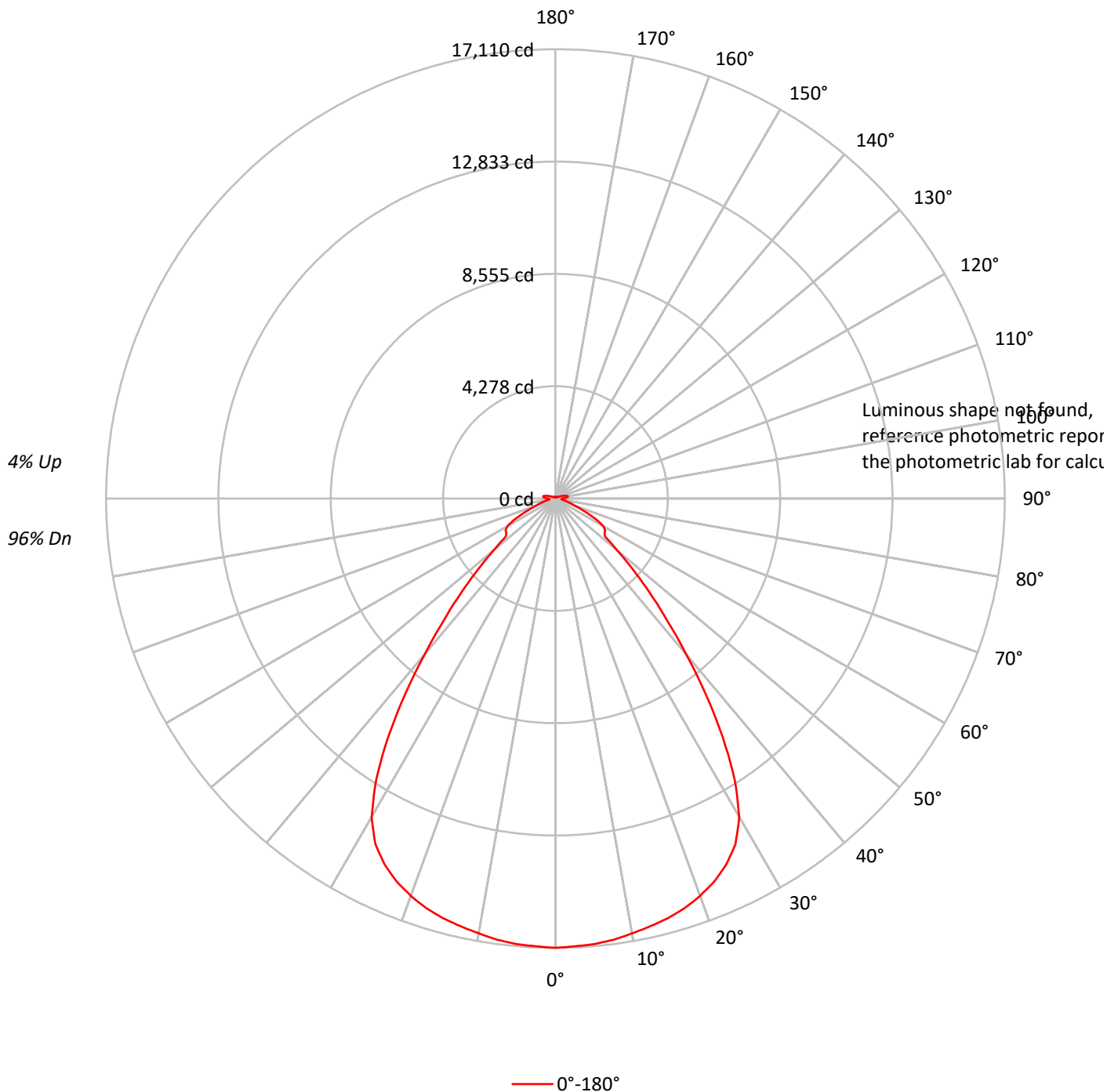
Lumens per Lamp: N/A
Luminaire Lumens: 29738.2 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 196
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	107	103	101	107	104	101	98	99	97	95	95	93	91	90	89	88	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	67	87	78	72	67	75	70	65	73	68	64	70	66	63	61		
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55		
6	78	67	59	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	57	52	48	56	51	47	45		
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41		
9	65	53	46	41	63	52	46	41	51	45	40	50	44	40	48	43	40	38		
10	61	49	42	38	60	49	42	38	48	42	37	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1618.7	5.4
10°-20°	4670.2	15.7
20°-30°	7038.3	23.7
30°-40°	6847.1	23.0
40°-50°	3966.3	13.3
50°-60°	2123.6	7.1
60°-70°	1392.7	4.7
70°-80°	515.2	1.7
80°-90°	266.1	0.9
90°-100°	438.7	1.5
100°-110°	417.3	1.4
110°-120°	193.0	0.6
120°-130°	85.5	0.3
130°-140°	62.6	0.2
140°-150°	48.5	0.2
150°-160°	33.0	0.1
160°-170°	16.7	0.1
170°-180°	4.5	0.0
0°-30°	13327.3	44.8
0°-40°	20174.4	67.8
0°-60°	26264.3	88.3
0°-90°	28438.3	95.6
90°-120°	1049.1	3.5
90°-150°	1245.7	4.2
90°-180°	1300.0	4.4
0°-180°	29738.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17110	
5°	17030	###
15°	16545	4670
25°	15383	7038
35°	11117	6847
45°	5069	3966
55°	2283	2124
65°	1390	1393
75°	472	515
85°	222	195
90°	282	157
95°	415	353
105°	399	417
115°	187	193
125°	91	85
135°	81	63
145°	77	49
155°	72	33
165°	58	17
175°	46	5
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17110
2.5°	17066
5°	17030
7.5°	16945
10°	16814
12.5°	16682
15°	16545
17.5°	16358
20°	16099
22.5°	15791
25°	15383
27.5°	14840
30°	13994
32.5°	12711
35°	11117
37.5°	9405
40°	7734
42.5°	6290
45°	5069
47.5°	3980
50°	3068
52.5°	2377
55°	2283
57.5°	2248
60°	2105
62.5°	1788
65°	1390
67.5°	1032
70°	771
72.5°	600
75°	472
77.5°	358
80°	279
82.5°	234
85°	222
87.5°	239
90°	282
92.5°	346
95°	415
97.5°	468
100°	479
102.5°	449
105°	399
107.5°	344
110°	287

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	233
115°	187
117.5°	149
120°	122
122.5°	103
125°	91
127.5°	84
130°	81
132.5°	81
135°	81
137.5°	81
140°	80
142.5°	78
145°	77
147.5°	76
150°	75
152.5°	73
155°	72
157.5°	69
160°	66
162.5°	62
165°	58
167.5°	54
170°	51
172.5°	48
175°	46
177.5°	44
180°	45

(END OF REPORT)