

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: P1505215

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505215
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-113)
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-TRWH-PS (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

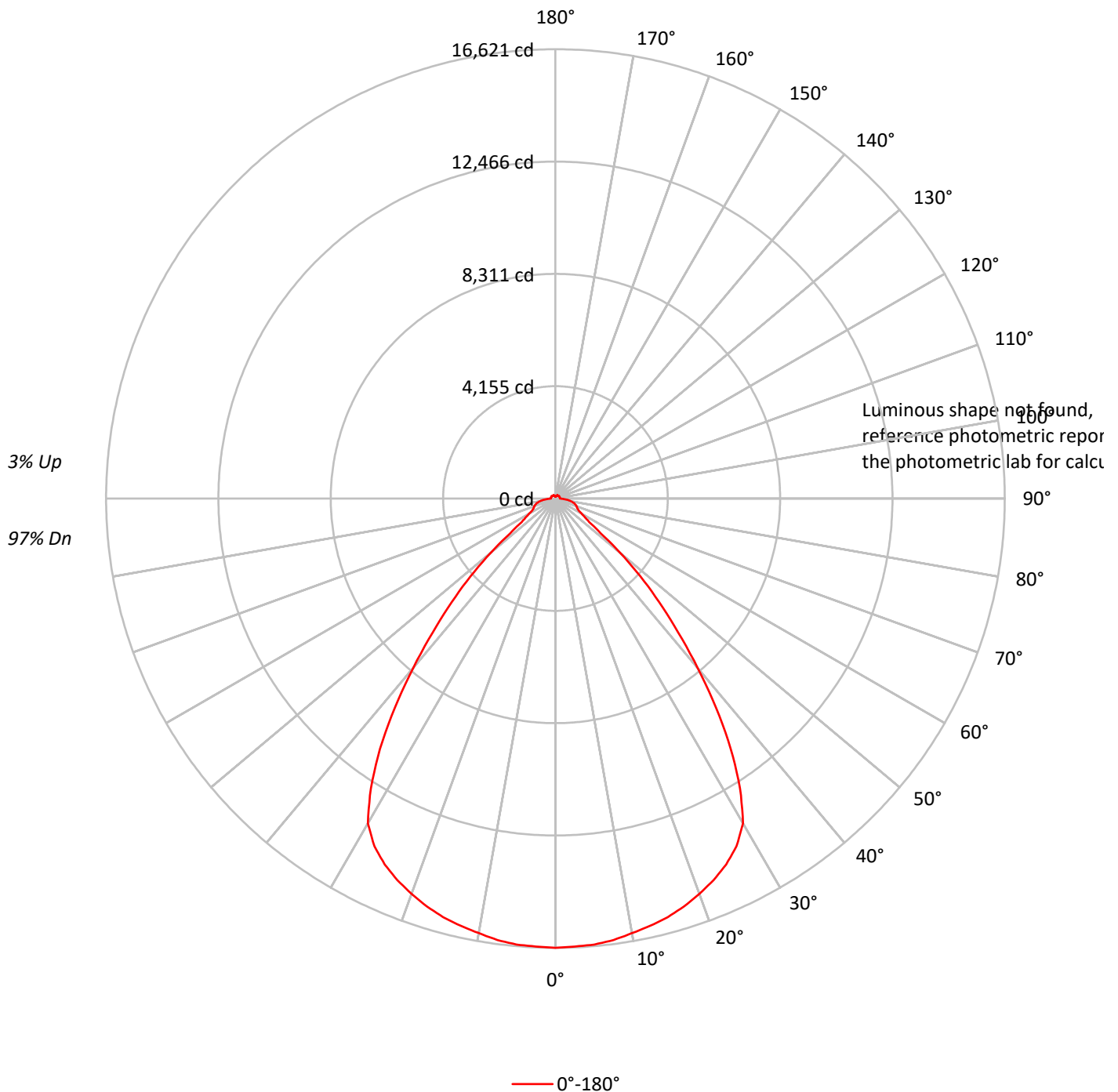
Lumens per Lamp: N/A
Luminaire Lumens: 28758.8 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 196.5
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





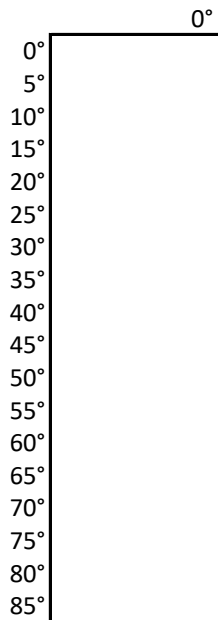
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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		
R																				
C	0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97	
R	1	110	107	103	100	108	104	101	98	99	97	95	95	93	91	91	90	88	86	
	2	103	97	91	87	100	94	90	86	91	87	83	87	84	81	84	81	79	77	
	3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	73	70	68	
	4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	62	
	5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	57	56	
	6	78	67	60	55	76	66	59	54	64	58	54	62	57	53	61	56	52	50	
	7	74	62	55	50	72	61	54	49	60	53	49	58	52	48	56	52	48	46	
	8	69	58	50	45	67	57	50	45	55	49	45	54	48	44	53	48	44	42	
	9	65	53	46	42	64	53	46	41	51	45	41	50	45	41	49	44	40	39	
	10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	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°	1573.2	5.5
10°-20°	4523.6	15.7
20°-30°	6855.2	23.8
30°-40°	6967.5	24.2
40°-50°	4216.3	14.7
50°-60°	1566.3	5.4
60°-70°	921.4	3.2
70°-80°	769.1	2.7
80°-90°	415.1	1.4
90°-100°	179.2	0.6
100°-110°	176.1	0.6
110°-120°	162.3	0.6
120°-130°	140.0	0.5
130°-140°	114.8	0.4
140°-150°	89.2	0.3
150°-160°	57.3	0.2
160°-170°	25.7	0.1
170°-180°	6.4	0.0
0°-30°	12952.1	45.0
0°-40°	19919.6	69.3
0°-60°	25702.1	89.4
0°-90°	27807.7	96.7
90°-120°	517.7	1.8
90°-150°	861.7	3.0
90°-180°	951.0	3.3
0°-180°	28758.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16621	
5°	16560	###
15°	16034	4524
25°	14936	6855
35°	11309	6968
45°	5424	4216
55°	1525	1566
65°	904	921
75°	737	769
85°	385	356
90°	164	104
95°	164	134
105°	167	176
115°	164	162
125°	156	140
135°	148	115
145°	142	89
155°	123	57
165°	88	26
175°	63	6
180°	61	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16621
2.5°	16588
5°	16560
7.5°	16471
10°	16326
12.5°	16190
15°	16034
17.5°	15819
20°	15561
22.5°	15279
25°	14936
27.5°	14500
30°	13875
32.5°	12711
35°	11309
37.5°	9766
40°	8182
42.5°	6715
45°	5424
47.5°	4258
50°	3124
52.5°	2112
55°	1525
57.5°	1298
60°	1116
62.5°	976
65°	904
67.5°	864
70°	835
72.5°	794
75°	737
77.5°	669
80°	588
82.5°	493
85°	385
87.5°	270
90°	164
92.5°	163
95°	164
97.5°	165
100°	166
102.5°	167
105°	167
107.5°	166
110°	166

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	165
115°	164
117.5°	162
120°	160
122.5°	158
125°	156
127.5°	154
130°	152
132.5°	150
135°	148
137.5°	146
140°	145
142.5°	143
145°	142
147.5°	141
150°	138
152.5°	131
155°	123
157.5°	115
160°	107
162.5°	97
165°	88
167.5°	81
170°	74
172.5°	68
175°	63
177.5°	61
180°	61

(END OF REPORT)