

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: P1505577

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505577
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-126)
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 (3500K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

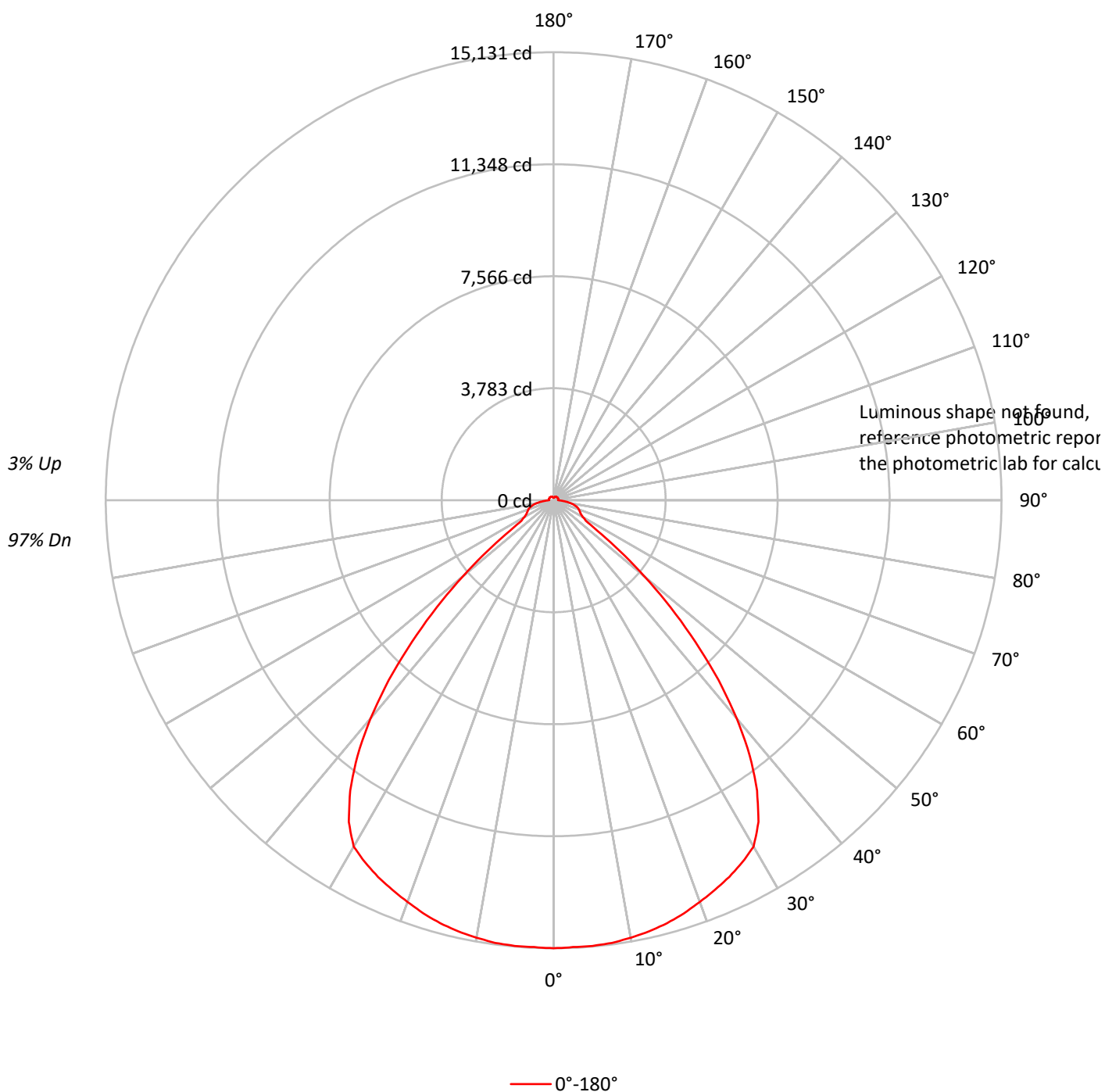
Lumens per Lamp: N/A
Luminaire Lumens: 29681.2 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 196.1
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





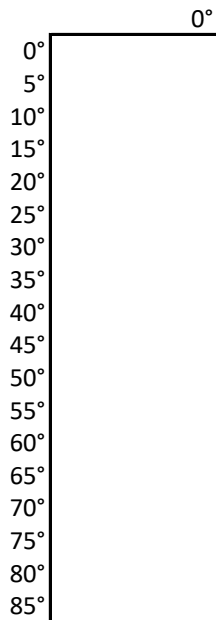
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	104	104	104	99	99	99	97		
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	86		
2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	76		
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	72	69	67		
4	89	79	72	66	86	77	71	66	75	69	64	72	67	63	70	66	62	60		
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	54		
6	77	66	58	53	75	65	58	52	63	57	52	61	55	51	59	54	51	49		
7	72	61	53	48	70	60	52	47	58	52	47	56	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	43	52	46	42	51	46	42	40		
9	64	52	44	39	62	51	44	39	50	43	39	48	43	39	47	42	38	37		
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1438.9	4.8
10°-20°	4176.7	14.1
20°-30°	6472.7	21.8
30°-40°	7382.7	24.9
40°-50°	5201.0	17.5
50°-60°	1873.6	6.3
60°-70°	993.7	3.3
70°-80°	811.9	2.7
80°-90°	390.4	1.3
90°-100°	168.6	0.6
100°-110°	168.1	0.6
110°-120°	158.3	0.5
120°-130°	139.7	0.5
130°-140°	115.9	0.4
140°-150°	90.1	0.3
150°-160°	60.4	0.2
160°-170°	30.1	0.1
170°-180°	8.4	0.0
0°-30°	12088.4	40.7
0°-40°	19471.0	65.6
0°-60°	26545.6	89.4
0°-90°	28741.7	96.8
90°-120°	495.0	1.7
90°-150°	840.6	2.8
90°-180°	940.0	3.2
0°-180°	29681.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15131	
5°	15109	###
15°	14792	4177
25°	14037	6473
35°	11976	7383
45°	6764	5201
55°	1787	1874
65°	990	994
75°	782	812
85°	352	335
90°	157	97
95°	154	126
105°	159	168
115°	160	158
125°	156	140
135°	150	116
145°	143	90
155°	130	60
165°	104	30
175°	87	8
180°	87	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15131
2.5°	15106
5°	15109
7.5°	15079
10°	15001
12.5°	14912
15°	14792
17.5°	14630
20°	14436
22.5°	14241
25°	14037
27.5°	13793
30°	13508
32.5°	12879
35°	11976
37.5°	10891
40°	9627
42.5°	8243
45°	6764
47.5°	5353
50°	4000
52.5°	2817
55°	1787
57.5°	1290
60°	1145
62.5°	1046
65°	990
67.5°	948
70°	907
72.5°	854
75°	782
77.5°	693
80°	584
82.5°	467
85°	352
87.5°	244
90°	157
92.5°	151
95°	154
97.5°	156
100°	157
102.5°	158
105°	159
107.5°	160
110°	160

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	160
115°	160
117.5°	159
120°	158
122.5°	157
125°	156
127.5°	154
130°	153
132.5°	151
135°	150
137.5°	148
140°	146
142.5°	145
145°	143
147.5°	142
150°	140
152.5°	136
155°	130
157.5°	124
160°	118
162.5°	112
165°	104
167.5°	98
170°	92
172.5°	88
175°	87
177.5°	87
180°	87

(END OF REPORT)