

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: P1505595

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505595
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 (5000K_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

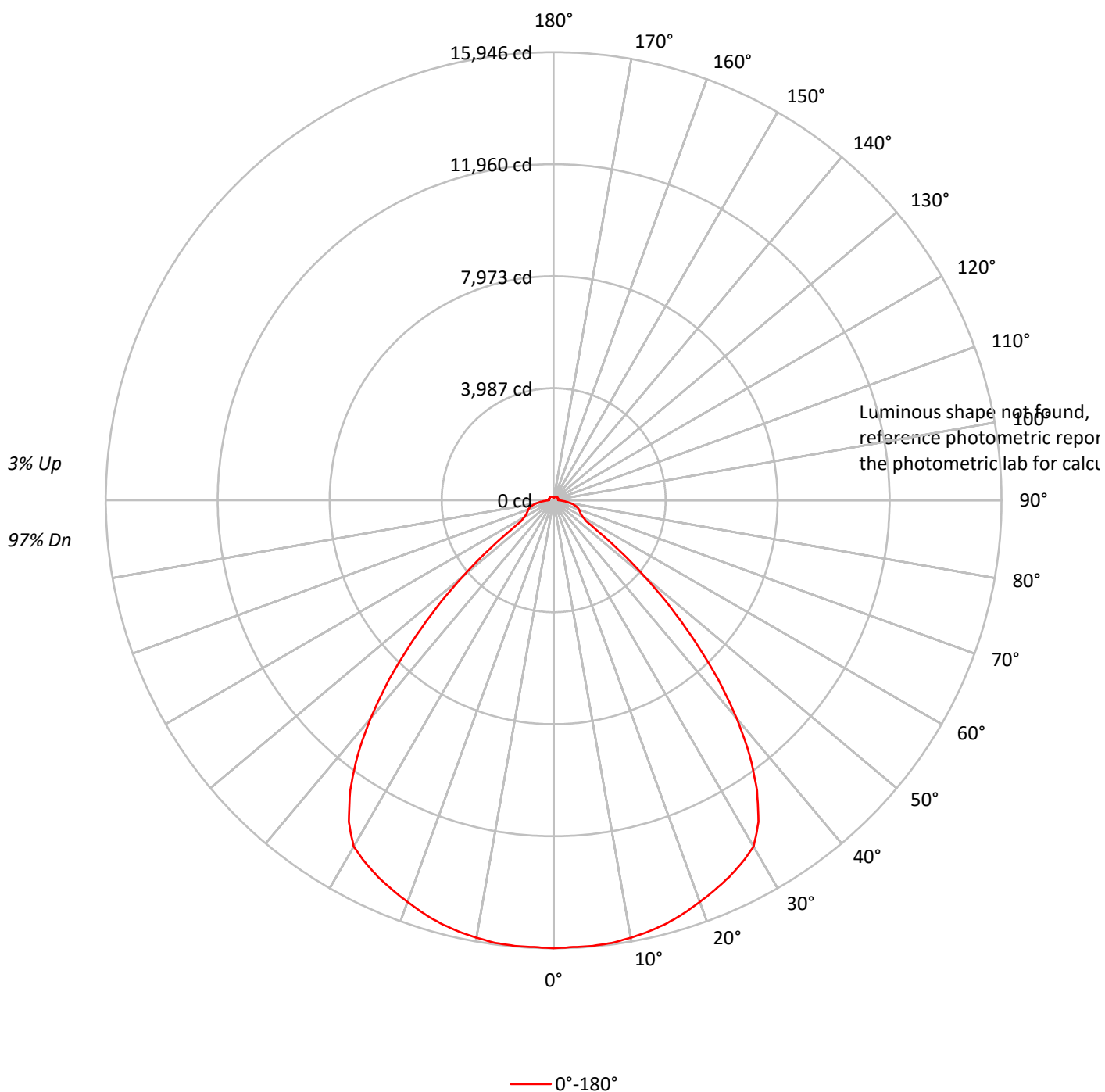
Lumens per Lamp: N/A
Luminaire Lumens: 31278.9 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 195.5
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





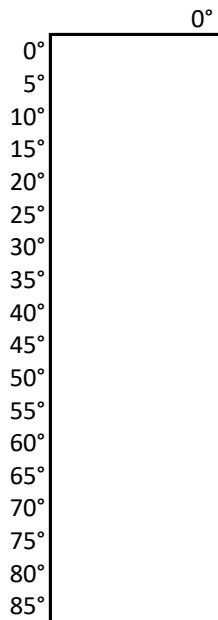
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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		
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°	1516.4	4.8
10°-20°	4401.5	14.1
20°-30°	6821.1	21.8
30°-40°	7780.1	24.9
40°-50°	5481.0	17.5
50°-60°	1974.5	6.3
60°-70°	1047.2	3.3
70°-80°	855.6	2.7
80°-90°	411.4	1.3
90°-100°	177.6	0.6
100°-110°	177.1	0.6
110°-120°	166.9	0.5
120°-130°	147.2	0.5
130°-140°	122.2	0.4
140°-150°	94.9	0.3
150°-160°	63.6	0.2
160°-170°	31.7	0.1
170°-180°	8.9	0.0
0°-30°	12739.1	40.7
0°-40°	20519.2	65.6
0°-60°	27974.6	89.4
0°-90°	30288.8	96.8
90°-120°	521.6	1.7
90°-150°	885.9	2.8
90°-180°	990.0	3.2
0°-180°	31278.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15946	
5°	15922	###
15°	15588	4402
25°	14793	6821
35°	12621	7780
45°	7128	5481
55°	1883	1974
65°	1043	1047
75°	824	856
85°	371	354
90°	166	102
95°	162	133
105°	168	177
115°	169	167
125°	164	147
135°	158	122
145°	151	95
155°	137	64
165°	110	32
175°	92	9
180°	92	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15945.5
2.5°	15919.2
5°	15922.3
7.5°	15890.7
10°	15808.5
12.5°	15714.7
15°	15588.3
17.5°	15417.5
20°	15213.1
22.5°	15007.6
25°	14792.6
27.5°	14535.5
30°	14235.1
32.5°	13572.3
35°	12620.7
37.5°	11477.3
40°	10145.2
42.5°	8686.7
45°	7128.1
47.5°	5641.2
50°	4215.3
52.5°	2968.6
55°	1883.2
57.5°	1359.4
60°	1206.6
62.5°	1102.3
65°	1043.3
67.5°	999.0
70°	955.8
72.5°	900.0
75°	824.1
77.5°	730.3
80°	615.4
82.5°	492.1
85°	370.9
87.5°	257.1
90°	165.5
92.5°	159.1
95°	162.3
97.5°	164.4
100°	165.5
102.5°	166.5
105°	167.6
107.5°	168.6
110°	168.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	168.6
115°	168.6
117.5°	167.6
120°	166.5
122.5°	165.5
125°	164.4
127.5°	162.3
130°	161.2
132.5°	159.1
135°	158.1
137.5°	156.0
140°	153.9
142.5°	152.8
145°	150.7
147.5°	149.6
150°	147.5
152.5°	143.3
155°	137.0
157.5°	130.7
160°	124.4
162.5°	118.0
165°	109.6
167.5°	103.3
170°	97.0
172.5°	92.7
175°	91.7
177.5°	91.7
180°	91.7

(END OF REPORT)