

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: P1505585

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505585
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-124)
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 (4000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

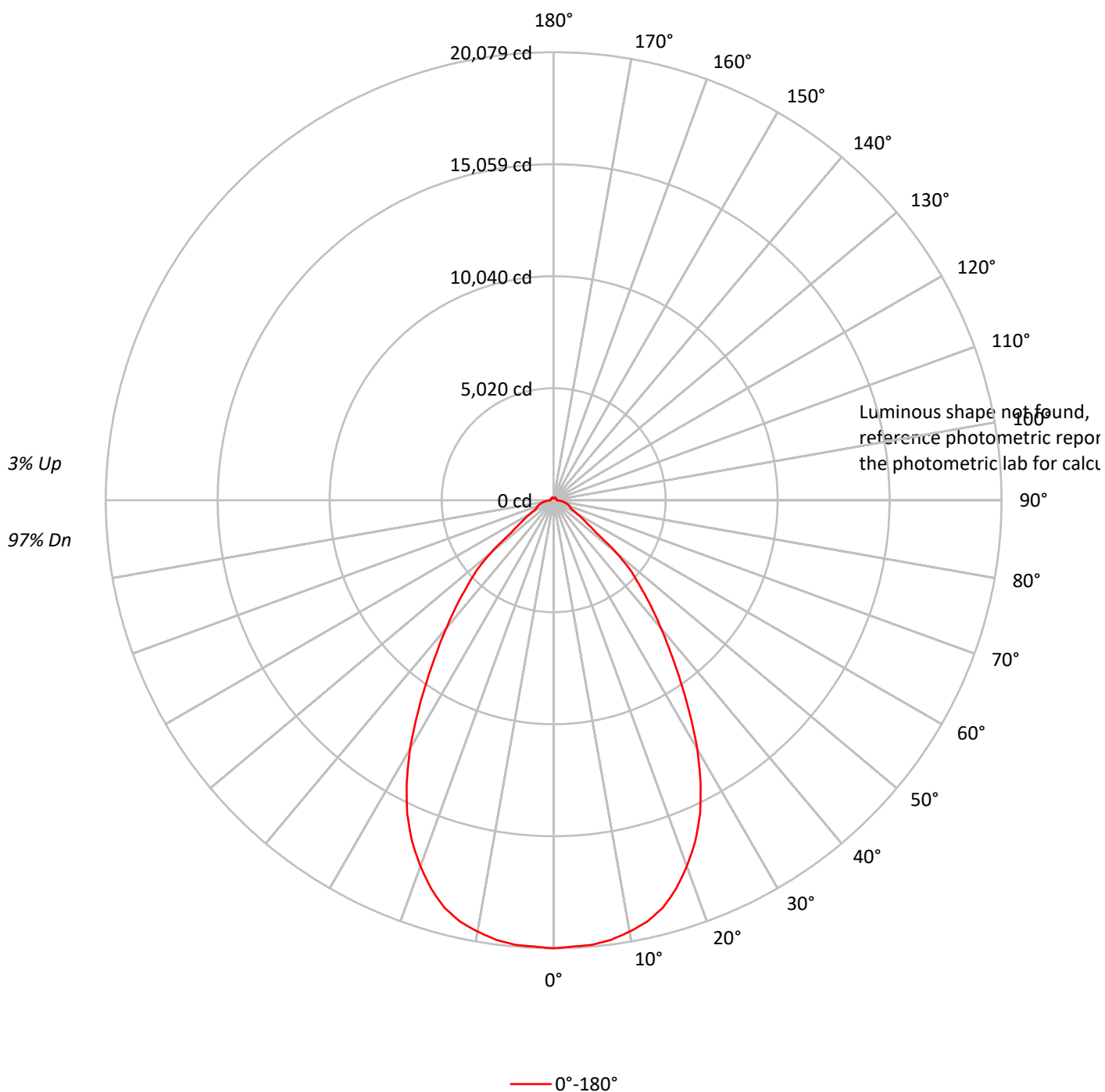
Lumens per Lamp: N/A
Luminaire Lumens: 29256.8 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 194.3
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





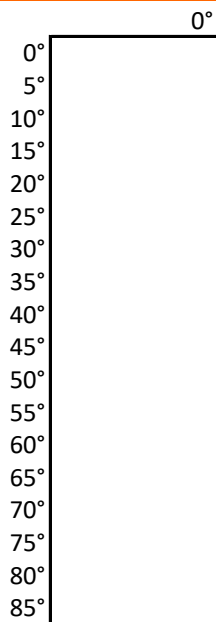
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	110	110	110	104	104	104	100	100	100	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80	78		
3	97	89	82	77	94	87	81	77	84	79	75	81	77	73	78	75	72	70		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	72	68	65	63		
5	85	74	67	62	83	73	67	62	71	65	61	69	64	60	67	63	59	57		
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	43	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1896.9	6.5
10°-20°	5287.2	18.1
20°-30°	7057.5	24.1
30°-40°	6226.7	21.3
40°-50°	4278.2	14.6
50°-60°	1842.8	6.3
60°-70°	889.8	3.0
70°-80°	652.3	2.2
80°-90°	317.2	1.1
90°-100°	143.6	0.5
100°-110°	143.4	0.5
110°-120°	134.9	0.5
120°-130°	119.2	0.4
130°-140°	99.4	0.3
140°-150°	78.4	0.3
150°-160°	53.7	0.2
160°-170°	27.5	0.1
170°-180°	8.0	0.0
0°-30°	14241.7	48.7
0°-40°	20468.4	70.0
0°-60°	26589.4	90.9
0°-90°	28448.8	97.2
90°-120°	421.8	1.4
90°-150°	718.8	2.5
90°-180°	808.0	2.8
0°-180°	29256.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20079	
5°	19997	###
15°	18906	5287
25°	15523	7058
35°	9922	6227
45°	5506	4278
55°	1875	1843
65°	850	890
75°	625	652
85°	288	271
90°	135	83
95°	131	107
105°	136	143
115°	136	135
125°	133	119
135°	128	99
145°	124	78
155°	116	54
165°	95	28
175°	83	8
180°	83	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20078.6
2.5°	20024.2
5°	19997.1
7.5°	19862.2
10°	19630.1
12.5°	19343.7
15°	18905.7
17.5°	18256.5
20°	17457.8
22.5°	16572.4
25°	15522.8
27.5°	14263.2
30°	12880.1
32.5°	11361.2
35°	9921.7
37.5°	8610.8
40°	7477.6
42.5°	6480.3
45°	5506.0
47.5°	4714.7
50°	3715.3
52.5°	2436.8
55°	1875.4
57.5°	1527.3
60°	1209.5
62.5°	976.4
65°	849.9
67.5°	791.4
70°	748.5
72.5°	695.2
75°	625.1
77.5°	545.7
80°	461.0
82.5°	374.2
85°	288.5
87.5°	203.8
90°	134.9
92.5°	128.6
95°	130.7
97.5°	132.8
100°	133.8
102.5°	134.9
105°	135.9
107.5°	135.9
110°	136.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	135.9
115°	135.9
117.5°	135.9
120°	134.9
122.5°	133.8
125°	132.8
127.5°	131.7
130°	130.7
132.5°	129.6
135°	127.5
137.5°	127.5
140°	126.5
142.5°	125.4
145°	124.4
147.5°	124.4
150°	123.4
152.5°	120.2
155°	116.0
157.5°	110.8
160°	106.6
162.5°	101.4
165°	95.1
167.5°	90.9
170°	86.8
172.5°	83.6
175°	82.6
177.5°	82.6
180°	82.6

(END OF REPORT)