

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: P1505369

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505369
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-94)
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-04-CLER-PS (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

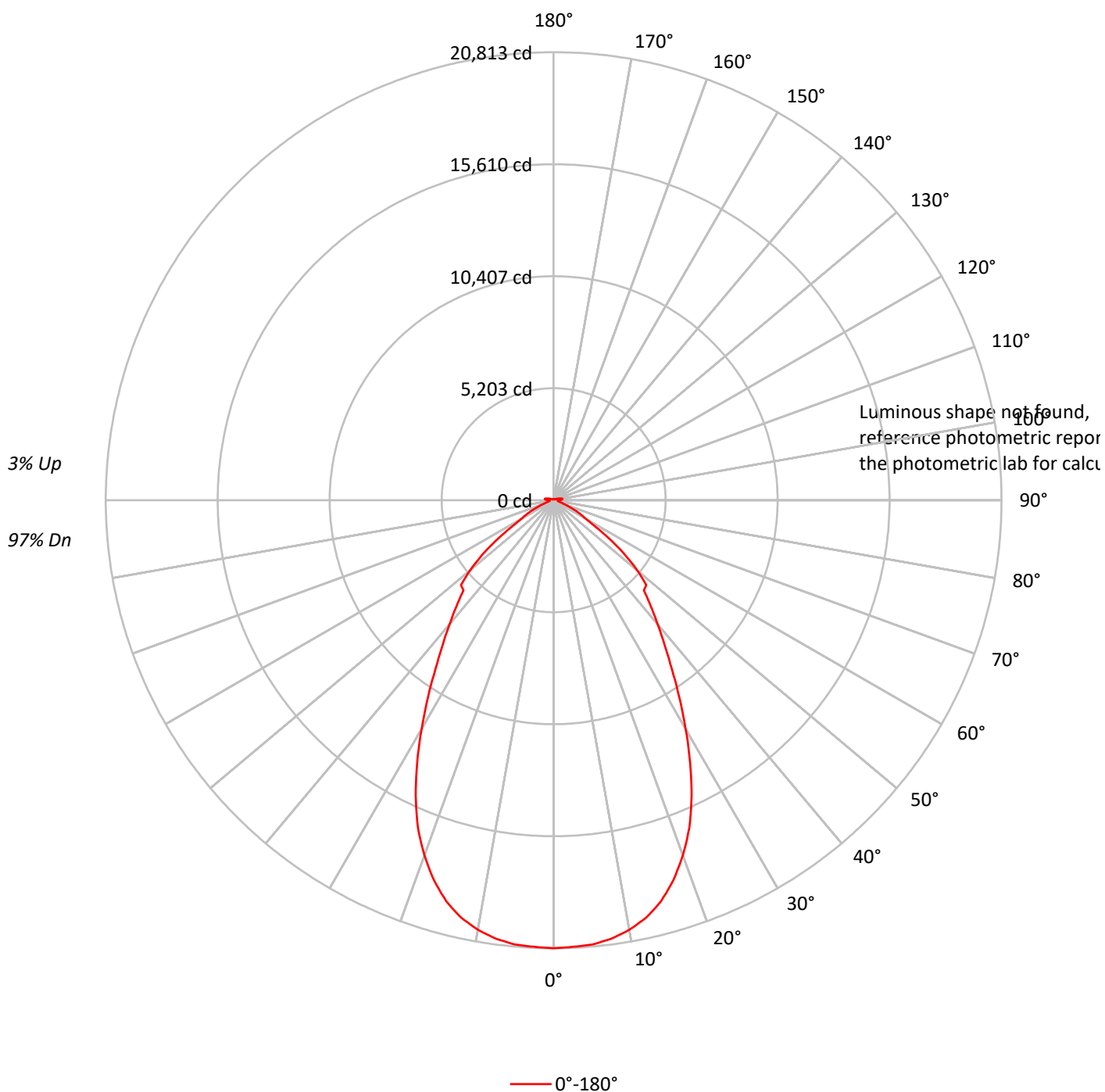
Lumens per Lamp: N/A
Luminaire Lumens: 30665.7 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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



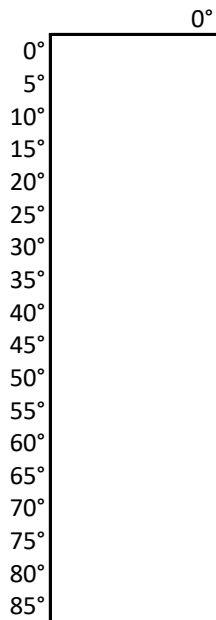
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	45	41	39		
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	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°	1962.8	6.4
10°-20°	5387.1	17.6
20°-30°	6904.0	22.5
30°-40°	6032.4	19.7
40°-50°	4766.7	15.5
50°-60°	2934.5	9.6
60°-70°	1082.5	3.5
70°-80°	322.9	1.1
80°-90°	221.9	0.7
90°-100°	400.4	1.3
100°-110°	347.7	1.1
110°-120°	142.1	0.5
120°-130°	53.9	0.2
130°-140°	37.1	0.1
140°-150°	30.3	0.1
150°-160°	22.0	0.1
160°-170°	13.0	0.0
170°-180°	4.4	0.0
0°-30°	14253.8	46.5
0°-40°	20286.2	66.2
0°-60°	27987.5	91.3
0°-90°	29614.7	96.6
90°-120°	890.2	2.9
90°-150°	1011.6	3.3
90°-180°	1051.0	3.4
0°-180°	30665.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20813	
5°	20718	###
15°	19287	5387
25°	15170	6904
35°	9565	6032
45°	5922	4767
55°	3290	2935
65°	1096	1083
75°	279	323
85°	186	156
90°	264	147
95°	386	319
105°	334	348
115°	135	142
125°	57	54
135°	47	37
145°	48	30
155°	47	22
165°	45	13
175°	46	4
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20813.2
2.5°	20763.6
5°	20718.3
7.5°	20544.4
10°	20265.2
12.5°	19861.5
15°	19287.2
17.5°	18505.3
20°	17562.1
22.5°	16472.4
25°	15169.9
27.5°	13732.5
30°	12269.7
32.5°	10863.9
35°	9564.6
37.5°	8463.3
40°	7512.8
42.5°	6682.3
45°	5922.5
47.5°	5837.2
50°	5077.4
52.5°	4203.7
55°	3290.1
57.5°	2332.1
60°	1707.2
62.5°	1424.8
65°	1096.0
67.5°	764.0
70°	511.1
72.5°	357.2
75°	279.3
77.5°	234.0
80°	198.1
82.5°	181.3
85°	185.5
87.5°	215.0
90°	264.5
92.5°	328.8
95°	385.7
97.5°	416.3
100°	411.0
102.5°	379.4
105°	334.1
107.5°	280.3
110°	225.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	176.0
115°	134.9
117.5°	104.3
120°	82.2
122.5°	66.4
125°	56.9
127.5°	50.6
130°	48.5
132.5°	47.4
135°	47.4
137.5°	48.5
140°	48.5
142.5°	48.5
145°	48.5
147.5°	47.4
150°	48.5
152.5°	47.4
155°	47.4
157.5°	47.4
160°	47.4
162.5°	46.4
165°	45.3
167.5°	45.3
170°	44.3
172.5°	45.3
175°	46.4
177.5°	48.5
180°	48.5

(END OF REPORT)