

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: P1505549

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505549
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-118)
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-CLER-PS (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

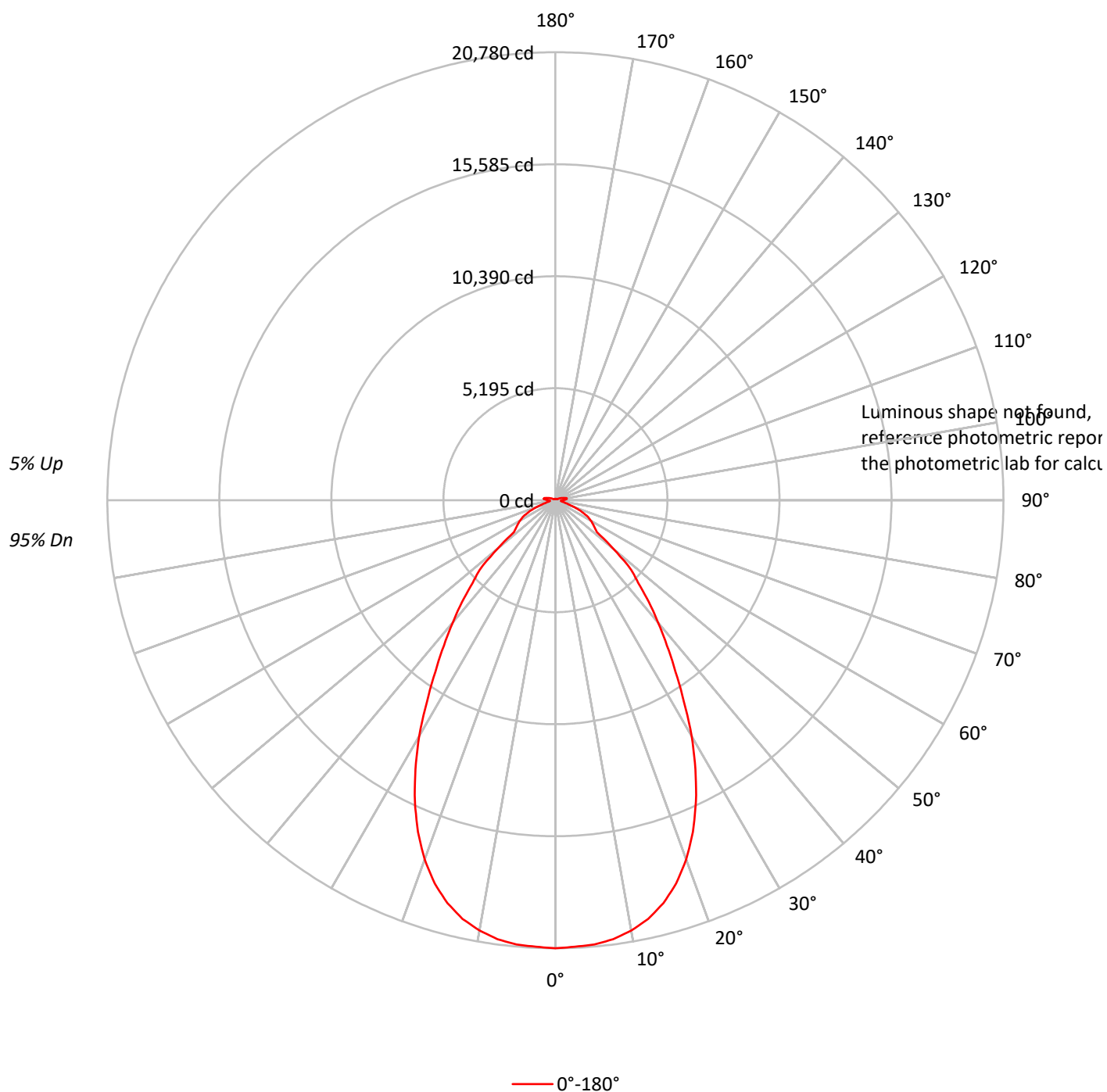
Lumens per Lamp: N/A
Luminaire Lumens: 30526.5 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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





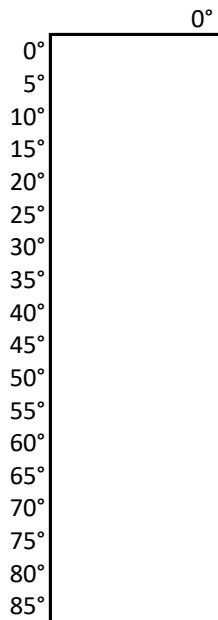
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	103	103	98	98	98	95		
1	110	107	103	101	107	104	101	99	99	97	95	95	93	91	90	89	88	85		
2	103	97	91	87	100	94	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	81	76	93	86	80	75	83	78	74	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	79	68	60	55	77	67	60	55	64	58	54	62	57	53	61	56	52	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	38	46	42	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°	1961.1	6.4
10°-20°	5410.6	17.7
20°-30°	7026.1	23.0
30°-40°	6110.6	20.0
40°-50°	4232.3	13.9
50°-60°	2098.6	6.9
60°-70°	1435.3	4.7
70°-80°	551.0	1.8
80°-90°	298.4	1.0
90°-100°	513.7	1.7
100°-110°	445.8	1.5
110°-120°	196.2	0.6
120°-130°	83.4	0.3
130°-140°	60.6	0.2
140°-150°	46.7	0.2
150°-160°	32.2	0.1
160°-170°	18.3	0.1
170°-180°	5.6	0.0
0°-30°	14397.8	47.2
0°-40°	20508.4	67.2
0°-60°	26839.4	87.9
0°-90°	29124.0	95.4
90°-120°	1155.6	3.8
90°-150°	1346.3	4.4
90°-180°	1402.0	4.6
0°-180°	30526.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20780	
5°	20682	###
15°	19347	5411
25°	15421	7026
35°	9703	6111
45°	5419	4232
55°	2225	2099
65°	1481	1435
75°	477	551
85°	251	214
90°	336	188
95°	494	411
105°	423	446
115°	189	196
125°	88	83
135°	79	61
145°	74	47
155°	70	32
165°	64	18
175°	60	6
180°	60	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20780.5
2.5°	20729.9
5°	20682.5
7.5°	20533.9
10°	20265.2
12.5°	19888.9
15°	19347.3
17.5°	18631.7
20°	17726.5
22.5°	16652.6
25°	15420.7
27.5°	14064.4
30°	12634.4
32.5°	11090.5
35°	9702.6
37.5°	8496.0
40°	7416.9
42.5°	6412.6
45°	5418.8
47.5°	4767.5
50°	3505.0
52.5°	2416.4
55°	2224.6
57.5°	2062.3
60°	1897.9
62.5°	1715.6
65°	1480.6
67.5°	1206.6
70°	914.7
72.5°	654.4
75°	477.4
77.5°	360.4
80°	285.6
82.5°	251.9
85°	250.8
87.5°	280.3
90°	336.2
92.5°	416.3
95°	494.2
97.5°	538.5
100°	534.3
102.5°	485.8
105°	422.6
107.5°	358.3
110°	296.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	239.2
115°	188.6
117.5°	149.6
120°	121.2
122.5°	101.2
125°	88.5
127.5°	81.1
130°	78.0
132.5°	76.9
135°	79.0
137.5°	79.0
140°	78.0
142.5°	76.9
145°	73.8
147.5°	71.7
150°	70.6
152.5°	69.6
155°	69.6
157.5°	69.6
160°	68.5
162.5°	66.4
165°	64.3
167.5°	61.1
170°	59.0
172.5°	58.0
175°	60.1
177.5°	60.1
180°	60.1

(END OF REPORT)