

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: P1505531

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505531
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 (3500K_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

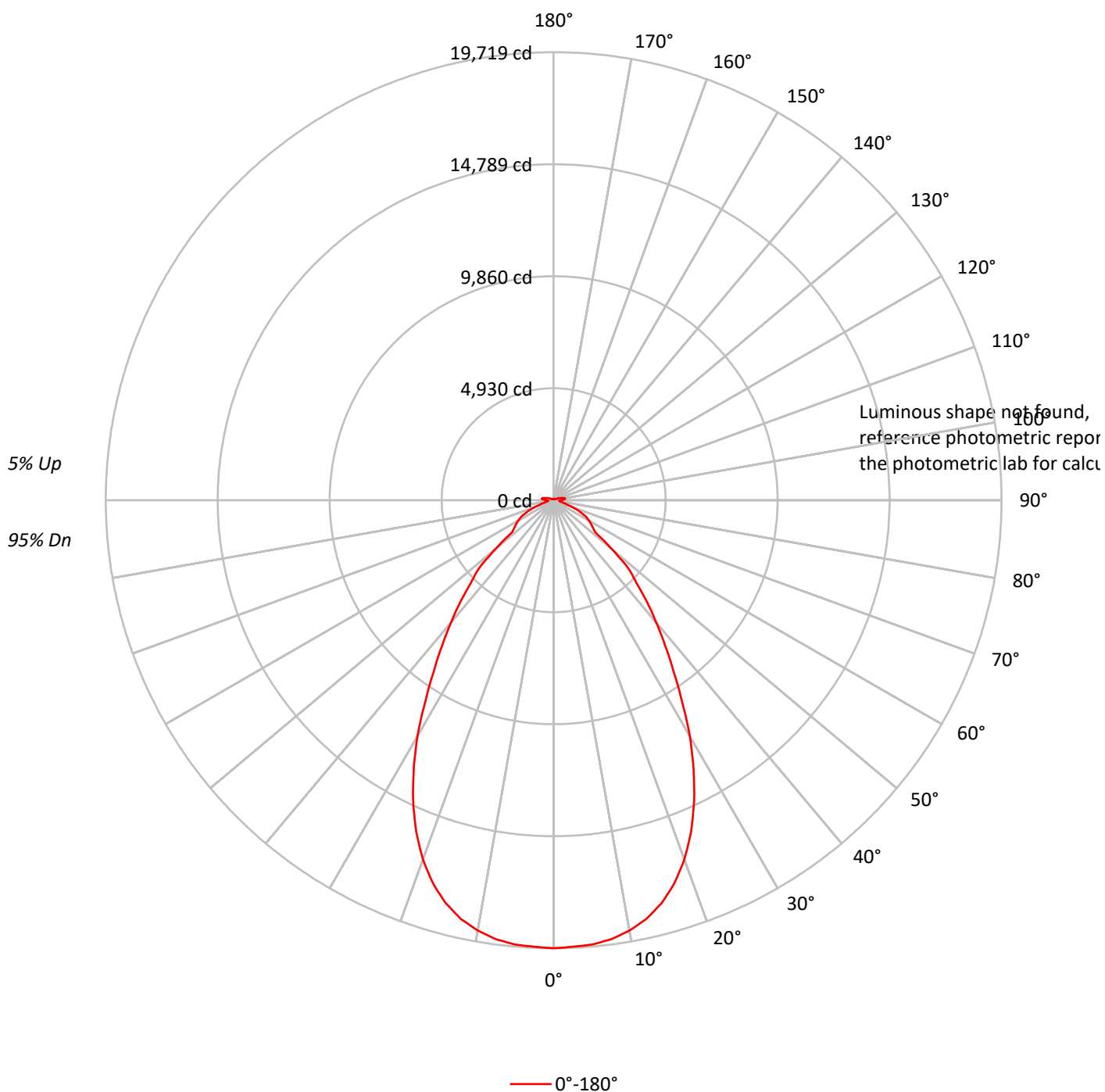
Lumens per Lamp: N/A
Luminaire Lumens: 28967.3 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 196.2
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





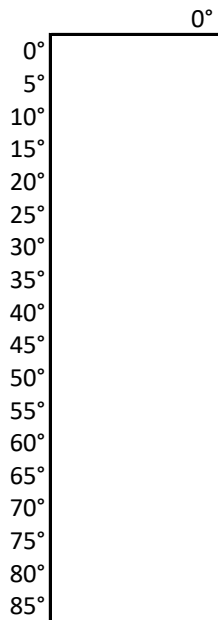
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	70	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°	1860.9	6.4
10°-20°	5134.2	17.7
20°-30°	6667.2	23.0
30°-40°	5798.5	20.0
40°-50°	4016.1	13.9
50°-60°	1991.4	6.9
60°-70°	1362.0	4.7
70°-80°	522.8	1.8
80°-90°	283.2	1.0
90°-100°	487.5	1.7
100°-110°	423.0	1.5
110°-120°	186.2	0.6
120°-130°	79.2	0.3
130°-140°	57.5	0.2
140°-150°	44.3	0.2
150°-160°	30.6	0.1
160°-170°	17.3	0.1
170°-180°	5.3	0.0
0°-30°	13662.4	47.2
0°-40°	19460.8	67.2
0°-60°	25468.4	87.9
0°-90°	27636.4	95.4
90°-120°	1096.6	3.8
90°-150°	1277.6	4.4
90°-180°	1331.0	4.6
0°-180°	28967.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19719	
5°	19626	###
15°	18359	5134
25°	14633	6667
35°	9207	5798
45°	5142	4016
55°	2111	1991
65°	1405	1362
75°	453	523
85°	238	203
90°	319	178
95°	469	390
105°	401	423
115°	179	186
125°	84	79
135°	75	57
145°	70	44
155°	66	31
165°	61	17
175°	57	5
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19719
2.5°	19671
5°	19626
7.5°	19485
10°	19230
12.5°	18873
15°	18359
17.5°	17680
20°	16821
22.5°	15802
25°	14633
27.5°	13346
30°	11989
32.5°	10524
35°	9207
37.5°	8062
40°	7038
42.5°	6085
45°	5142
47.5°	4524
50°	3326
52.5°	2293
55°	2111
57.5°	1957
60°	1801
62.5°	1628
65°	1405
67.5°	1145
70°	868
72.5°	621
75°	453
77.5°	342
80°	271
82.5°	239
85°	238
87.5°	266
90°	319
92.5°	395
95°	469
97.5°	511
100°	507
102.5°	461
105°	401
107.5°	340
110°	281

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	227
115°	179
117.5°	142
120°	115
122.5°	96
125°	84
127.5°	77
130°	74
132.5°	73
135°	75
137.5°	75
140°	74
142.5°	73
145°	70
147.5°	68
150°	67
152.5°	66
155°	66
157.5°	66
160°	65
162.5°	63
165°	61
167.5°	58
170°	56
172.5°	55
175°	57
177.5°	57
180°	57

(END OF REPORT)