

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: P1505180

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505180
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-106)
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-A-06-CLER-PS (4000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

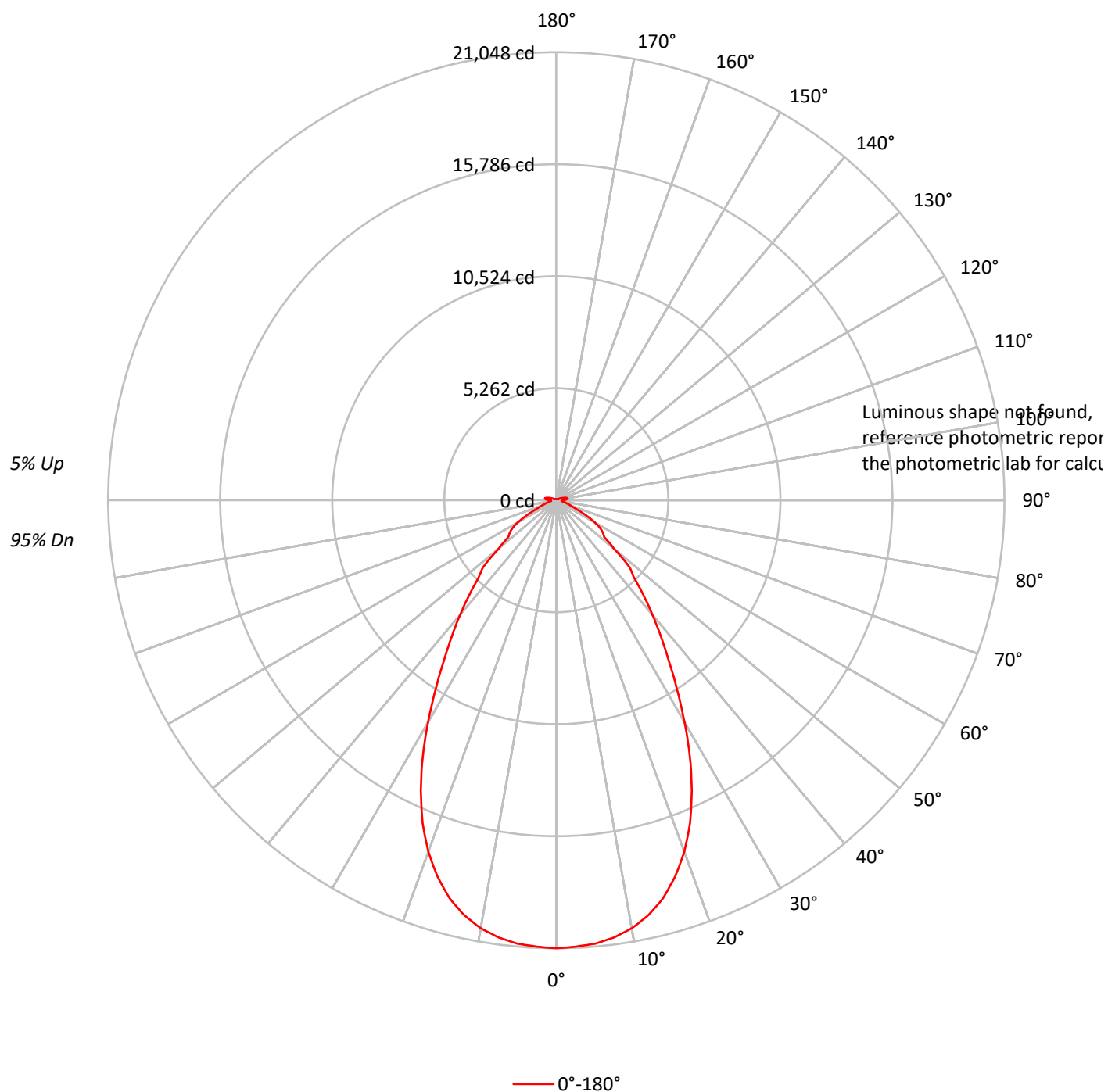
Lumens per Lamp: N/A
Luminaire Lumens: 29974.3 lumens
Efficiency: N/A
Efficacy: 154.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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





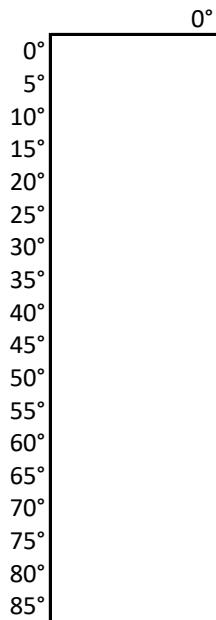
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	108	108	103	103	103	98	98	98	95		
1	110	107	104	101	107	104	101	99	99	97	95	95	93	91	90	89	87	85		
2	103	97	91	87	100	95	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	82	76	93	86	80	76	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	74	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	56		
6	79	68	60	55	77	67	60	55	64	58	54	63	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	51	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1980.2	6.6
10°-20°	5406.2	18.0
20°-30°	6851.1	22.9
30°-40°	5802.2	19.4
40°-50°	4068.2	13.6
50°-60°	2407.2	8.0
60°-70°	1266.9	4.2
70°-80°	475.6	1.6
80°-90°	288.8	1.0
90°-100°	509.5	1.7
100°-110°	466.2	1.6
110°-120°	205.6	0.7
120°-130°	85.7	0.3
130°-140°	59.9	0.2
140°-150°	46.8	0.2
150°-160°	32.3	0.1
160°-170°	16.8	0.1
170°-180°	4.8	0.0
0°-30°	14237.5	47.5
0°-40°	20039.8	66.9
0°-60°	26515.2	88.5
0°-90°	28546.5	95.2
90°-120°	1181.4	3.9
90°-150°	1373.8	4.6
90°-180°	1428.0	4.8
0°-180°	29974.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21048	
5°	20914	###
15°	19358	5406
25°	15060	6851
35°	9205	5802
45°	5174	4068
55°	2681	2407
65°	1220	1267
75°	441	476
85°	242	206
90°	331	185
95°	485	408
105°	445	466
115°	198	206
125°	91	86
135°	77	60
145°	74	47
155°	70	32
165°	58	17
175°	49	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21047.7
2.5°	20992.3
5°	20913.9
7.5°	20715.2
10°	20418.3
12.5°	19973.0
15°	19358.3
17.5°	18541.9
20°	17569.7
22.5°	16409.3
25°	15059.7
27.5°	13586.8
30°	12036.5
32.5°	10550.0
35°	9204.6
37.5°	8053.6
40°	7018.7
42.5°	6056.9
45°	5173.6
47.5°	4677.0
50°	3539.7
52.5°	2833.0
55°	2681.4
57.5°	2443.1
60°	2100.2
62.5°	1647.5
65°	1220.0
67.5°	886.5
70°	677.4
72.5°	546.7
75°	441.1
77.5°	341.8
80°	271.8
82.5°	239.4
85°	242.5
87.5°	274.9
90°	331.4
92.5°	408.7
95°	485.1
97.5°	537.3
100°	544.6
102.5°	504.9
105°	445.3
107.5°	380.5
110°	312.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	250.9
115°	197.6
117.5°	155.8
120°	126.5
122.5°	104.5
125°	90.9
127.5°	82.6
130°	78.4
132.5°	77.4
135°	77.4
137.5°	77.4
140°	76.3
142.5°	75.3
145°	74.2
147.5°	73.2
150°	73.2
152.5°	71.1
155°	70.0
157.5°	67.9
160°	65.9
162.5°	61.7
165°	58.5
167.5°	55.4
170°	52.3
172.5°	51.2
175°	49.1
177.5°	49.1
180°	49.1

(END OF REPORT)