

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: P1505555

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505555
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 (6500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

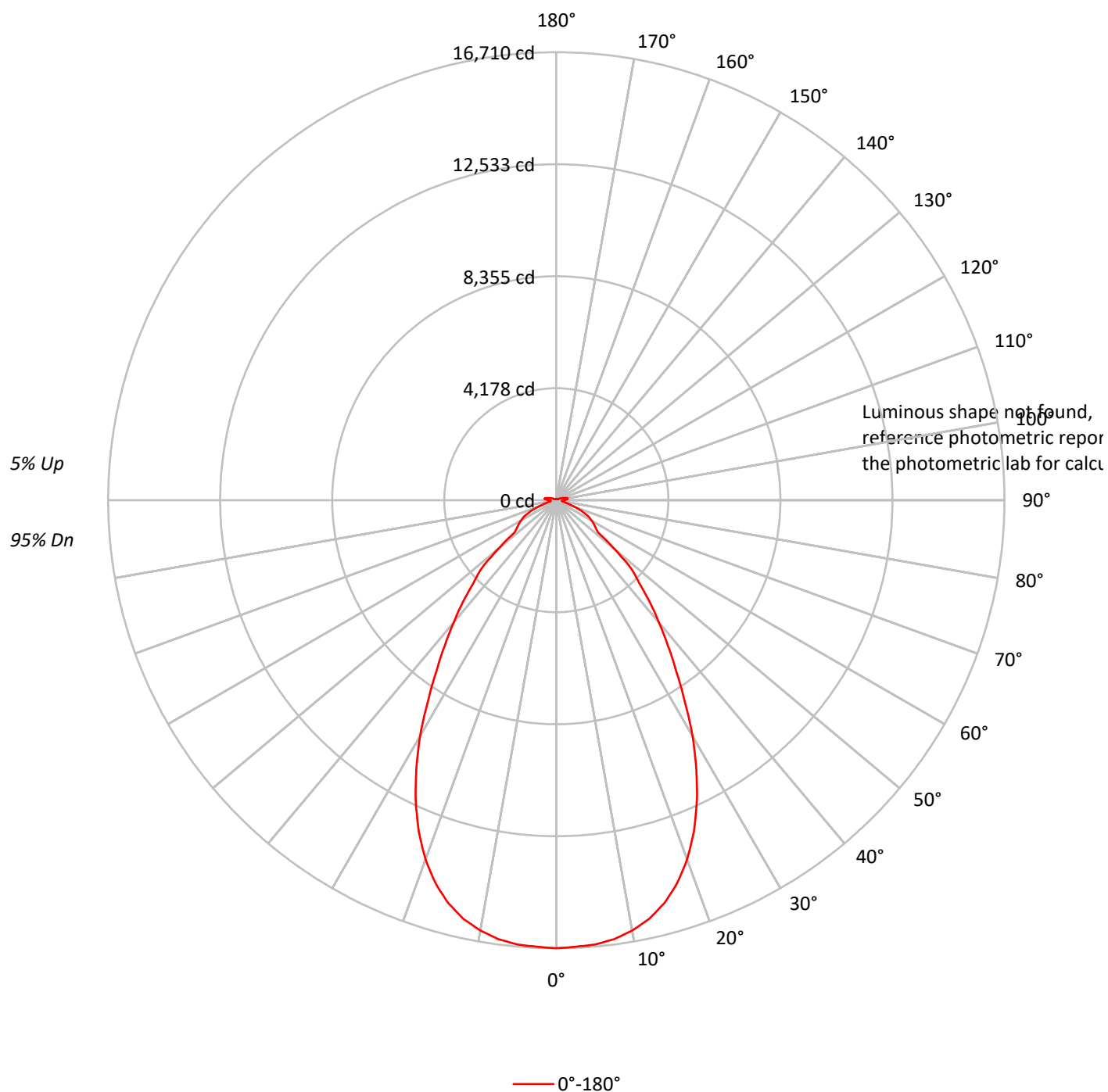
Lumens per Lamp: N/A
Luminaire Lumens: 24547.2 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.8
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





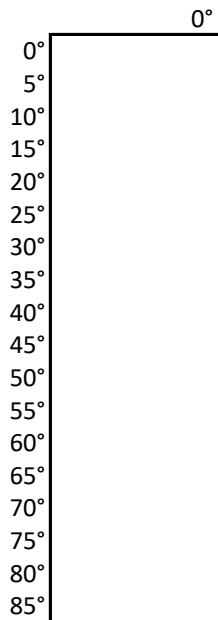
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1577.0	6.4
10°-20°	4350.8	17.7
20°-30°	5649.9	23.0
30°-40°	4913.7	20.0
40°-50°	3403.3	13.9
50°-60°	1687.6	6.9
60°-70°	1154.2	4.7
70°-80°	443.1	1.8
80°-90°	240.0	1.0
90°-100°	413.0	1.7
100°-110°	358.5	1.5
110°-120°	157.8	0.6
120°-130°	67.1	0.3
130°-140°	48.7	0.2
140°-150°	37.5	0.2
150°-160°	25.9	0.1
160°-170°	14.7	0.1
170°-180°	4.5	0.0
0°-30°	11577.6	47.2
0°-40°	16491.3	67.2
0°-60°	21582.2	87.9
0°-90°	23419.4	95.4
90°-120°	929.3	3.8
90°-150°	1082.7	4.4
90°-180°	1128.0	4.6
0°-180°	24547.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16710	
5°	16631	###
15°	15558	4351
25°	12400	5650
35°	7802	4914
45°	4357	3403
55°	1789	1688
65°	1191	1154
75°	384	443
85°	202	172
90°	270	151
95°	397	330
105°	340	358
115°	152	158
125°	71	67
135°	64	49
145°	59	38
155°	56	26
165°	52	15
175°	48	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16710.1
2.5°	16669.4
5°	16631.3
7.5°	16511.8
10°	16295.7
12.5°	15993.2
15°	15557.6
17.5°	14982.2
20°	14254.3
22.5°	13390.8
25°	12400.2
27.5°	11309.5
30°	10159.6
32.5°	8918.1
35°	7802.1
37.5°	6831.8
40°	5964.1
42.5°	5156.5
45°	4357.4
47.5°	3833.7
50°	2818.5
52.5°	1943.1
55°	1788.9
57.5°	1658.4
60°	1526.2
62.5°	1379.6
65°	1190.6
67.5°	970.3
70°	735.6
72.5°	526.2
75°	383.9
77.5°	289.8
80°	229.6
82.5°	202.5
85°	201.7
87.5°	225.4
90°	270.3
92.5°	334.7
95°	397.4
97.5°	433.0
100°	429.6
102.5°	390.7
105°	339.8
107.5°	288.1
110°	238.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	192.4
115°	151.7
117.5°	120.3
120°	97.5
122.5°	81.4
125°	71.2
127.5°	65.3
130°	62.7
132.5°	61.9
135°	63.6
137.5°	63.6
140°	62.7
142.5°	61.9
145°	59.3
147.5°	57.6
150°	56.8
152.5°	55.9
155°	55.9
157.5°	55.9
160°	55.1
162.5°	53.4
165°	51.7
167.5°	49.1
170°	47.5
172.5°	46.6
175°	48.3
177.5°	48.3
180°	48.3

(END OF REPORT)