

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: P1505192

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505192
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 (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

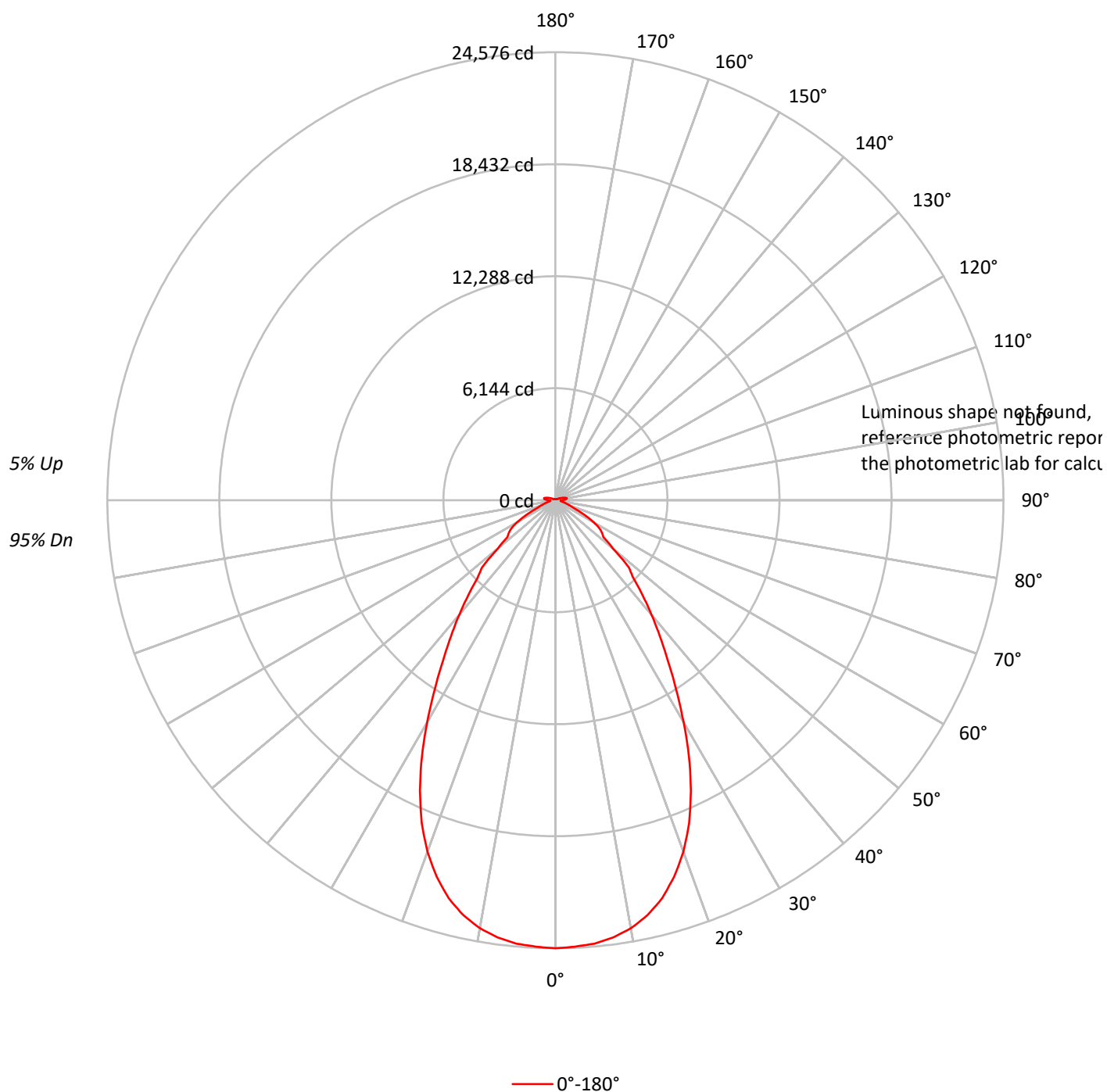
Lumens per Lamp: N/A
Luminaire Lumens: 34998.7 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 233.3
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





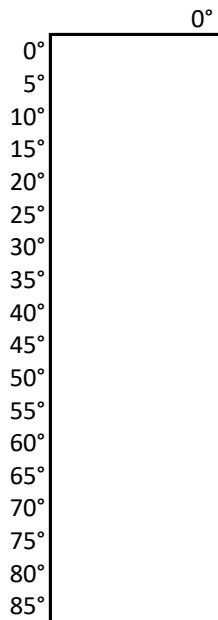
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	2312.2	6.6
10°-20°	6312.4	18.0
20°-30°	7999.6	22.9
30°-40°	6774.8	19.4
40°-50°	4750.2	13.6
50°-60°	2810.6	8.0
60°-70°	1479.3	4.2
70°-80°	555.4	1.6
80°-90°	337.2	1.0
90°-100°	595.0	1.7
100°-110°	544.4	1.6
110°-120°	240.1	0.7
120°-130°	100.1	0.3
130°-140°	69.9	0.2
140°-150°	54.6	0.2
150°-160°	37.7	0.1
160°-170°	19.6	0.1
170°-180°	5.6	0.0
0°-30°	16624.1	47.5
0°-40°	23398.9	66.9
0°-60°	30959.8	88.5
0°-90°	33331.6	95.2
90°-120°	1379.5	3.9
90°-150°	1604.1	4.6
90°-180°	1667.0	4.8
0°-180°	34998.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24576	
5°	24420	###
15°	22603	6312
25°	17584	8000
35°	10748	6775
45°	6041	4750
55°	3131	2811
65°	1424	1479
75°	515	555
85°	283	240
90°	387	215
95°	566	477
105°	520	544
115°	231	240
125°	106	100
135°	90	70
145°	87	55
155°	82	38
165°	68	20
175°	57	6
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	24575.7
2.5°	24511.0
5°	24419.5
7.5°	24187.6
10°	23840.9
12.5°	23321.0
15°	22603.2
17.5°	21649.9
20°	20514.8
22.5°	19159.9
25°	17584.1
27.5°	15864.3
30°	14054.1
32.5°	12318.4
35°	10747.5
37.5°	9403.6
40°	8195.2
42.5°	7072.2
45°	6040.8
47.5°	5461.0
50°	4133.0
52.5°	3307.8
55°	3130.9
57.5°	2852.6
60°	2452.2
62.5°	1923.7
65°	1424.5
67.5°	1035.1
70°	791.0
72.5°	638.4
75°	515.1
77.5°	399.1
80°	317.4
82.5°	279.5
85°	283.2
87.5°	321.0
90°	386.9
92.5°	477.3
95°	566.4
97.5°	627.4
100°	635.9
102.5°	589.6
105°	520.0
107.5°	444.3
110°	365.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	292.9
115°	230.7
117.5°	181.9
120°	147.7
122.5°	122.1
125°	106.2
127.5°	96.4
130°	91.5
132.5°	90.3
135°	90.3
137.5°	90.3
140°	89.1
142.5°	87.9
145°	86.7
147.5°	85.4
150°	85.4
152.5°	83.0
155°	81.8
157.5°	79.3
160°	76.9
162.5°	72.0
165°	68.4
167.5°	64.7
170°	61.0
172.5°	59.8
175°	57.4
177.5°	57.4
180°	57.4

(END OF REPORT)