

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: P1505168

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505168
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 (3500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

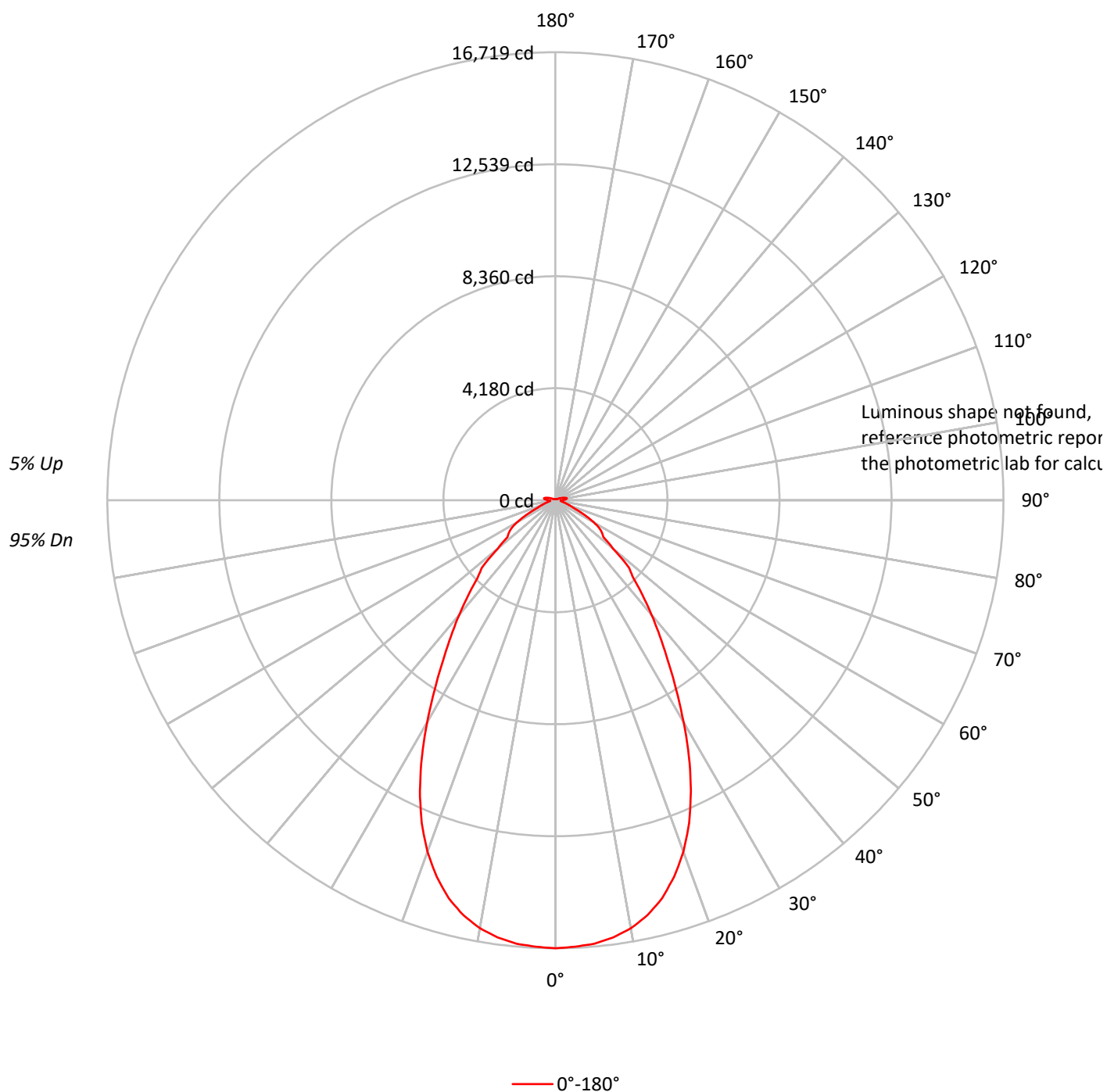
Lumens per Lamp: N/A
Luminaire Lumens: 23810.3 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 157.5
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





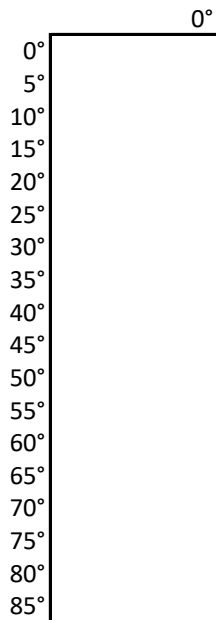
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1573.0	6.6
10°-20°	4294.4	18.0
20°-30°	5442.3	22.9
30°-40°	4609.0	19.4
40°-50°	3231.7	13.6
50°-60°	1912.2	8.0
60°-70°	1006.4	4.2
70°-80°	377.8	1.6
80°-90°	229.4	1.0
90°-100°	404.7	1.7
100°-110°	370.4	1.6
110°-120°	163.3	0.7
120°-130°	68.1	0.3
130°-140°	47.6	0.2
140°-150°	37.1	0.2
150°-160°	25.7	0.1
160°-170°	13.4	0.1
170°-180°	3.8	0.0
0°-30°	11309.7	47.5
0°-40°	15918.8	66.9
0°-60°	21062.6	88.5
0°-90°	22676.2	95.2
90°-120°	938.4	3.9
90°-150°	1091.3	4.6
90°-180°	1134.0	4.8
0°-180°	23810.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16719	
5°	16613	###
15°	15378	4294
25°	11963	5442
35°	7312	4609
45°	4110	3232
55°	2130	1912
65°	969	1006
75°	350	378
85°	193	163
90°	263	147
95°	385	324
105°	354	370
115°	157	163
125°	72	68
135°	62	48
145°	59	37
155°	56	26
165°	46	13
175°	39	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16719.4
2.5°	16675.4
5°	16613.1
7.5°	16455.3
10°	16219.5
12.5°	15865.7
15°	15377.5
17.5°	14728.9
20°	13956.6
22.5°	13034.9
25°	11962.8
27.5°	10792.8
30°	9561.3
32.5°	8380.5
35°	7311.7
37.5°	6397.4
40°	5575.3
42.5°	4811.4
45°	4109.7
47.5°	3715.2
50°	2811.8
52.5°	2250.4
55°	2130.0
57.5°	1940.7
60°	1668.3
62.5°	1308.7
65°	969.1
67.5°	704.2
70°	538.1
72.5°	434.3
75°	350.4
77.5°	271.5
80°	215.9
82.5°	190.2
85°	192.7
87.5°	218.4
90°	263.2
92.5°	324.7
95°	385.3
97.5°	426.8
100°	432.6
102.5°	401.1
105°	353.8
107.5°	302.3
110°	248.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	199.3
115°	156.9
117.5°	123.7
120°	100.5
122.5°	83.0
125°	72.2
127.5°	65.6
130°	62.3
132.5°	61.5
135°	61.5
137.5°	61.5
140°	60.6
142.5°	59.8
145°	59.0
147.5°	58.1
150°	58.1
152.5°	56.5
155°	55.6
157.5°	54.0
160°	52.3
162.5°	49.0
165°	46.5
167.5°	44.0
170°	41.5
172.5°	40.7
175°	39.0
177.5°	39.0
180°	39.0

(END OF REPORT)