

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: P1505165

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505165
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 (3000K_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

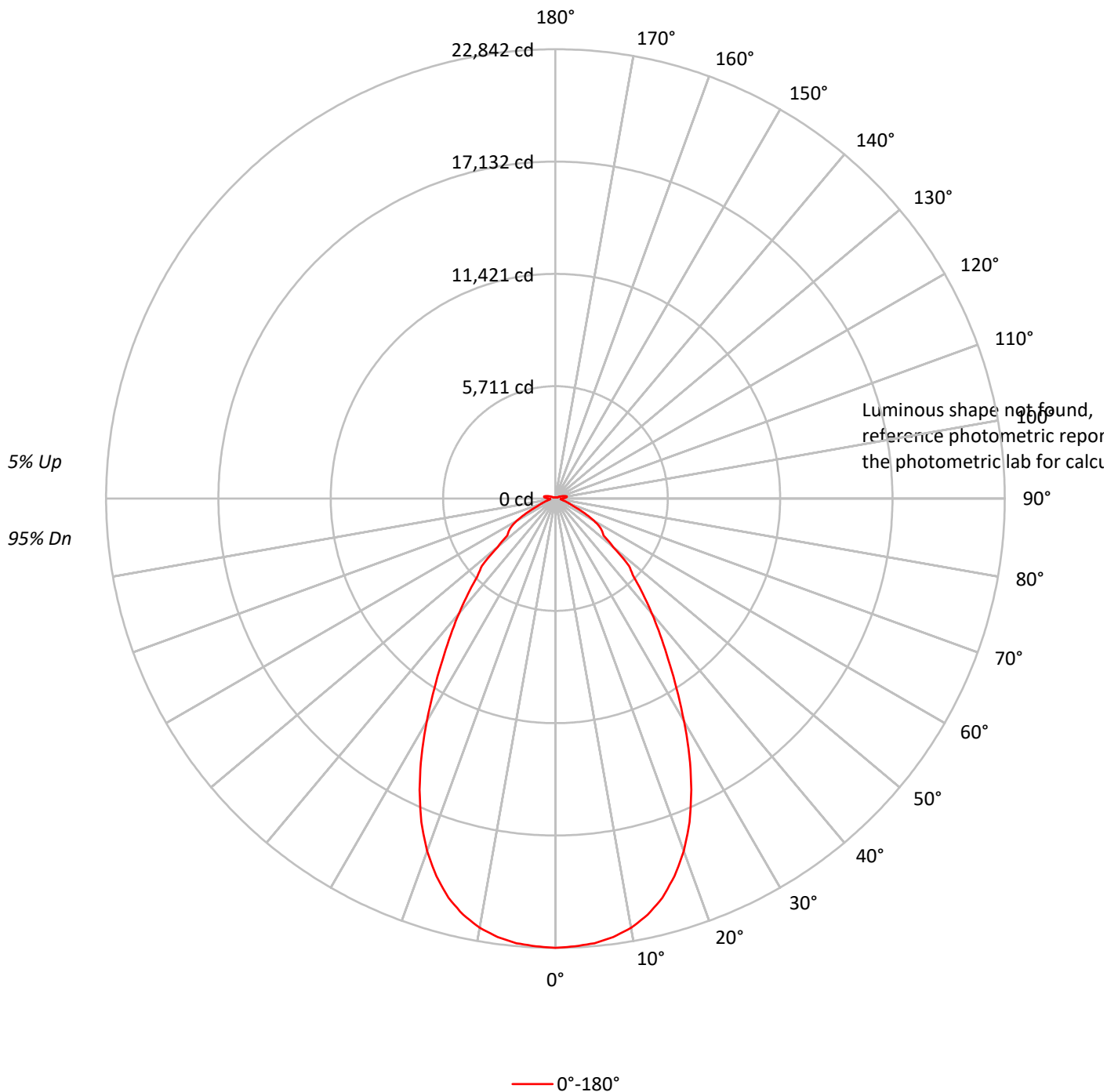
Lumens per Lamp: N/A
Luminaire Lumens: 32529.9 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 237.6
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°	2149.1	6.6
10°-20°	5867.1	18.0
20°-30°	7435.3	22.9
30°-40°	6296.9	19.4
40°-50°	4415.1	13.6
50°-60°	2612.4	8.0
60°-70°	1375.0	4.2
70°-80°	516.2	1.6
80°-90°	313.4	1.0
90°-100°	553.0	1.7
100°-110°	506.0	1.6
110°-120°	223.1	0.7
120°-130°	93.1	0.3
130°-140°	65.1	0.2
140°-150°	50.7	0.2
150°-160°	35.1	0.1
160°-170°	18.2	0.1
170°-180°	5.2	0.0
0°-30°	15451.4	47.5
0°-40°	21748.4	66.9
0°-60°	28775.8	88.5
0°-90°	30980.4	95.2
90°-120°	1282.1	3.9
90°-150°	1491.0	4.6
90°-180°	1550.0	4.8
0°-180°	32529.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22842	
5°	22697	###
15°	21009	5867
25°	16344	7435
35°	9989	6297
45°	5615	4415
55°	2910	2612
65°	1324	1375
75°	479	516
85°	263	223
90°	360	200
95°	526	443
105°	483	506
115°	214	223
125°	99	93
135°	84	65
145°	81	51
155°	76	35
165°	64	18
175°	53	5
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22842.2
2.5°	22782.1
5°	22697.0
7.5°	22481.4
10°	22159.2
12.5°	21675.9
15°	21008.8
17.5°	20122.8
20°	19067.7
22.5°	17808.4
25°	16343.7
27.5°	14745.2
30°	13062.7
32.5°	11449.5
35°	9989.4
37.5°	8740.3
40°	7617.1
42.5°	6573.3
45°	5614.7
47.5°	5075.8
50°	3841.4
52.5°	3074.5
55°	2910.0
57.5°	2651.3
60°	2279.2
62.5°	1788.0
65°	1324.0
67.5°	962.1
70°	735.2
72.5°	593.3
75°	478.8
77.5°	371.0
80°	295.0
82.5°	259.8
85°	263.2
87.5°	298.4
90°	359.6
92.5°	443.6
95°	526.4
97.5°	583.1
100°	591.1
102.5°	548.0
105°	483.3
107.5°	413.0
110°	339.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	272.3
115°	214.4
117.5°	169.0
120°	137.3
122.5°	113.5
125°	98.7
127.5°	89.6
130°	85.1
132.5°	84.0
135°	84.0
137.5°	84.0
140°	82.8
142.5°	81.7
145°	80.6
147.5°	79.4
150°	79.4
152.5°	77.1
155°	76.0
157.5°	73.7
160°	71.5
162.5°	66.9
165°	63.5
167.5°	60.1
170°	56.7
172.5°	55.6
175°	53.3
177.5°	53.3
180°	53.3

(END OF REPORT)