

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: P1505014

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505014
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-83)
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-04-CLER-PS (6500K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

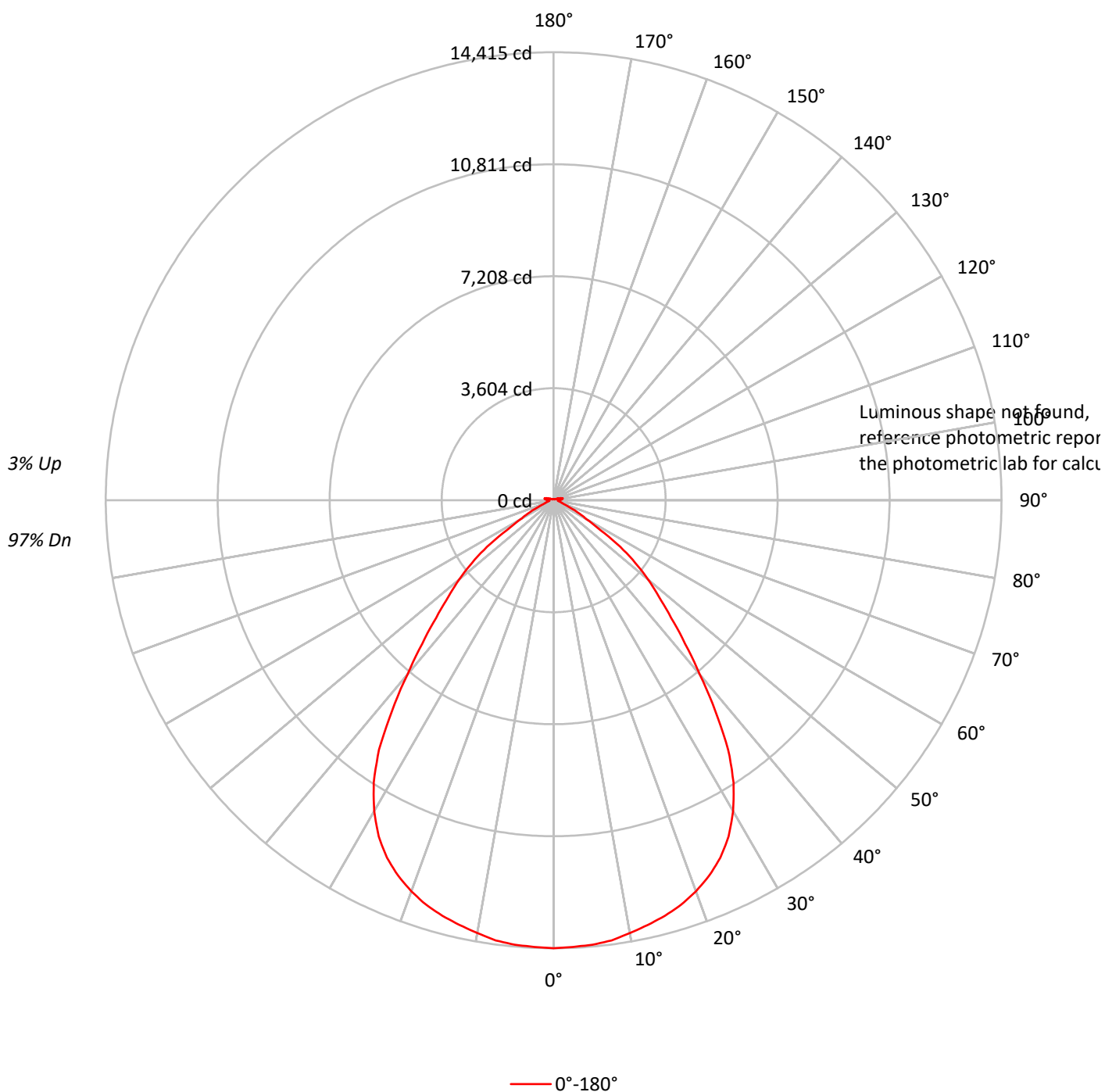
Lumens per Lamp: N/A
Luminaire Lumens: 25482.8 lumens
Efficiency: N/A
Efficacy: 159.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





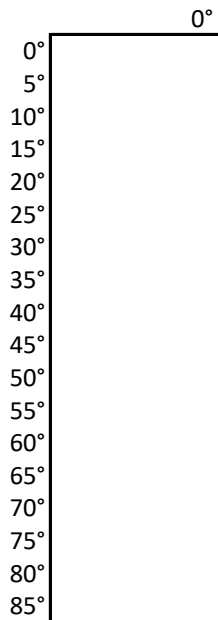
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	104	97	92	88	101	95	90	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	59	49	42	37	47	41	37	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1363.9	5.4
10°-20°	3904.8	15.3
20°-30°	5811.7	22.8
30°-40°	6002.9	23.6
40°-50°	4194.9	16.5
50°-60°	2291.8	9.0
60°-70°	704.3	2.8
70°-80°	248.2	1.0
80°-90°	158.5	0.6
90°-100°	269.5	1.1
100°-110°	270.2	1.1
110°-120°	122.5	0.5
120°-130°	47.9	0.2
130°-140°	32.5	0.1
140°-150°	27.3	0.1
150°-160°	19.2	0.1
160°-170°	9.9	0.0
170°-180°	2.9	0.0
0°-30°	11080.3	43.5
0°-40°	17083.3	67.0
0°-60°	23570.0	92.5
0°-90°	24680.9	96.9
90°-120°	662.1	2.6
90°-150°	769.8	3.0
90°-180°	802.0	3.1
0°-180°	25482.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14415	
5°	14356	###
15°	13841	3905
25°	12692	5812
35°	9794	6003
45°	5345	4195
55°	2617	2292
65°	677	704
75°	231	248
85°	132	116
90°	170	95
95°	254	217
105°	262	270
115°	119	122
125°	51	48
135°	42	32
145°	43	27
155°	42	19
165°	35	10
175°	30	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14415.3
2.5°	14384.8
5°	14356.0
7.5°	14284.8
10°	14141.6
12.5°	13995.0
15°	13840.7
17.5°	13646.7
20°	13390.8
22.5°	13076.4
25°	12691.7
27.5°	12193.4
30°	11556.1
32.5°	10777.4
35°	9794.4
37.5°	8547.8
40°	7324.2
42.5°	6265.8
45°	5344.6
47.5°	4587.9
50°	3978.6
52.5°	3315.9
55°	2616.8
57.5°	1792.3
60°	1227.0
62.5°	955.9
65°	677.1
67.5°	452.5
70°	326.3
72.5°	266.9
75°	231.3
77.5°	197.4
80°	163.6
82.5°	139.0
85°	132.2
87.5°	143.2
90°	169.5
92.5°	211.9
95°	254.2
97.5°	287.3
100°	300.8
102.5°	289.0
105°	261.8
107.5°	225.4
110°	186.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	150.0
115°	118.6
117.5°	92.4
120°	72.9
122.5°	59.3
125°	50.8
127.5°	44.9
130°	42.4
132.5°	41.5
135°	41.5
137.5°	42.4
140°	42.4
142.5°	43.2
145°	43.2
147.5°	44.1
150°	44.1
152.5°	43.2
155°	41.5
157.5°	39.8
160°	38.1
162.5°	36.4
165°	34.7
167.5°	33.0
170°	31.4
172.5°	30.5
175°	29.7
177.5°	29.7
180°	29.7

(END OF REPORT)