

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: P1505005

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505005
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 (5000K_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

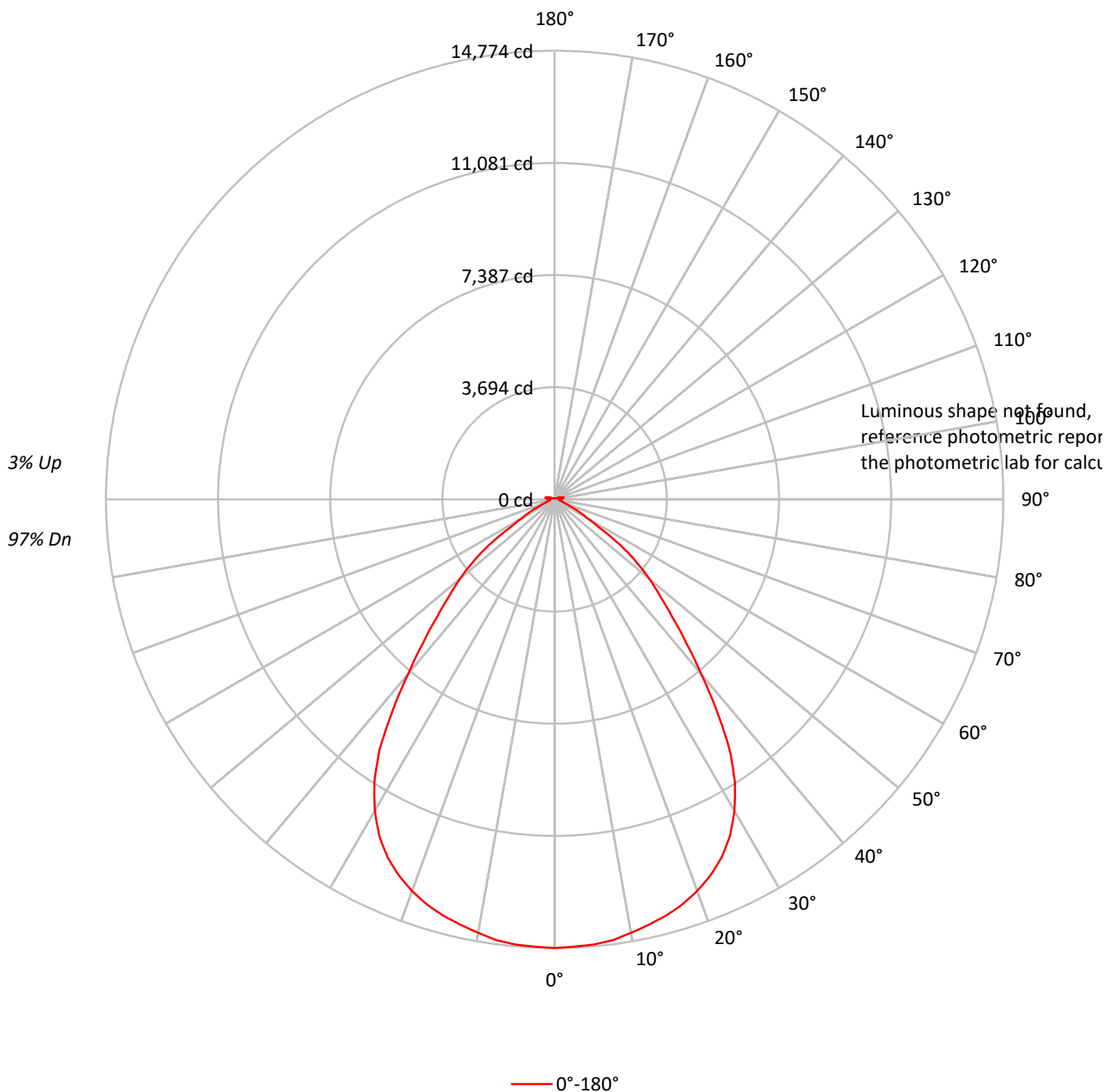
Lumens per Lamp: N/A
Luminaire Lumens: 26116.9 lumens
Efficiency: N/A
Efficacy: 167.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 156.4
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



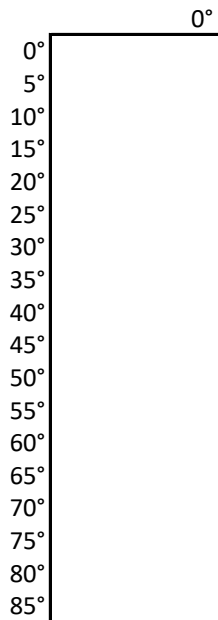
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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		
R																				
C	0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97	
R	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°	1397.8	5.4
10°-20°	4001.9	15.3
20°-30°	5956.3	22.8
30°-40°	6152.3	23.6
40°-50°	4299.3	16.5
50°-60°	2348.9	9.0
60°-70°	721.8	2.8
70°-80°	254.4	1.0
80°-90°	162.4	0.6
90°-100°	276.1	1.1
100°-110°	276.9	1.1
110°-120°	125.5	0.5
120°-130°	49.1	0.2
130°-140°	33.3	0.1
140°-150°	27.9	0.1
150°-160°	19.7	0.1
160°-170°	10.2	0.0
170°-180°	3.0	0.0
0°-30°	11356.0	43.5
0°-40°	17508.3	67.0
0°-60°	24156.5	92.5
0°-90°	25295.0	96.9
90°-120°	678.6	2.6
90°-150°	789.0	3.0
90°-180°	822.0	3.1
0°-180°	26116.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14774	
5°	14713	###
15°	14185	4002
25°	13008	5956
35°	10038	6152
45°	5478	4299
55°	2682	2349
65°	694	722
75°	237	254
85°	136	118
90°	174	97
95°	260	223
105°	268	277
115°	122	126
125°	52	49
135°	43	33
145°	44	28
155°	43	20
165°	36	10
175°	30	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14774.0
2.5°	14742.7
5°	14713.2
7.5°	14640.2
10°	14493.5
12.5°	14343.2
15°	14185.1
17.5°	13986.3
20°	13724.0
22.5°	13401.8
25°	13007.5
27.5°	12496.8
30°	11843.7
32.5°	11045.5
35°	10038.1
37.5°	8760.5
40°	7506.4
42.5°	6421.7
45°	5477.6
47.5°	4702.0
50°	4077.6
52.5°	3398.4
55°	2681.9
57.5°	1836.9
60°	1257.6
62.5°	979.7
65°	693.9
67.5°	463.8
70°	334.4
72.5°	273.6
75°	237.1
77.5°	202.4
80°	167.6
82.5°	142.4
85°	135.5
87.5°	146.8
90°	173.7
92.5°	217.1
95°	260.5
97.5°	294.4
100°	308.3
102.5°	296.2
105°	268.4
107.5°	231.0
110°	191.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	153.7
115°	121.6
117.5°	94.7
120°	74.7
122.5°	60.8
125°	52.1
127.5°	46.0
130°	43.4
132.5°	42.6
135°	42.6
137.5°	43.4
140°	43.4
142.5°	44.3
145°	44.3
147.5°	45.2
150°	45.2
152.5°	44.3
155°	42.6
157.5°	40.8
160°	39.1
162.5°	37.3
165°	35.6
167.5°	33.9
170°	32.1
172.5°	31.3
175°	30.4
177.5°	30.4
180°	30.4

(END OF REPORT)