

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: P1504996

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504996
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 (4000K_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

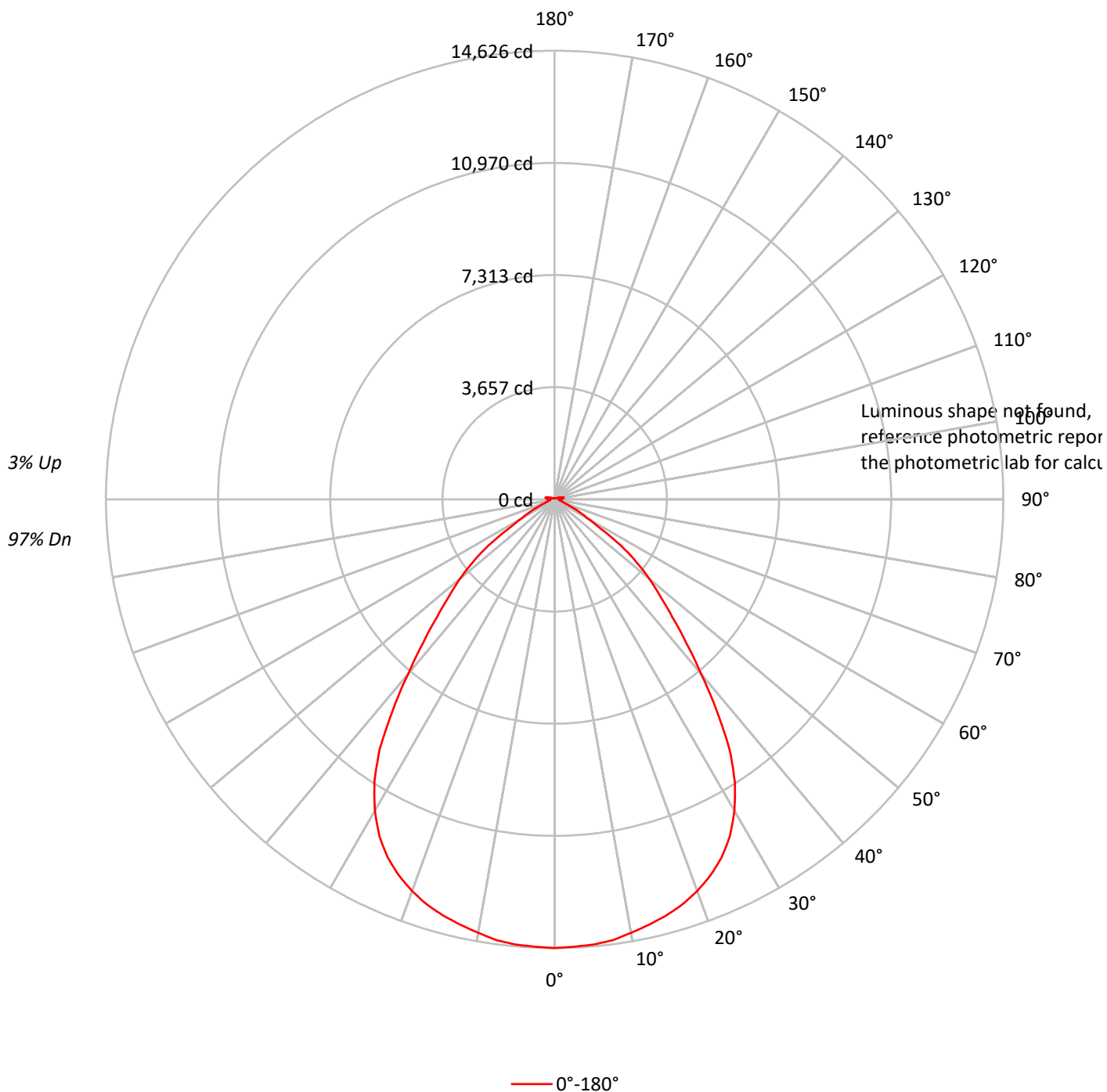
Lumens per Lamp: N/A
Luminaire Lumens: 25855.8 lumens
Efficiency: N/A
Efficacy: 166.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 155.7
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°	1383.8	5.4
10°-20°	3961.9	15.3
20°-30°	5896.8	22.8
30°-40°	6090.8	23.6
40°-50°	4256.3	16.5
50°-60°	2325.4	9.0
60°-70°	714.6	2.8
70°-80°	251.8	1.0
80°-90°	160.8	0.6
90°-100°	273.4	1.1
100°-110°	274.2	1.1
110°-120°	124.3	0.5
120°-130°	48.7	0.2
130°-140°	32.9	0.1
140°-150°	27.7	0.1
150°-160°	19.5	0.1
160°-170°	10.1	0.0
170°-180°	2.9	0.0
0°-30°	11242.5	43.5
0°-40°	17333.3	67.0
0°-60°	23915.0	92.5
0°-90°	25042.1	96.9
90°-120°	671.8	2.6
90°-150°	781.1	3.0
90°-180°	814.0	3.1
0°-180°	25855.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14626	
5°	14566	###
15°	14043	3962
25°	12878	5897
35°	9938	6091
45°	5423	4256
55°	2655	2325
65°	687	715
75°	235	252
85°	134	117
90°	172	97
95°	258	220
105°	266	274
115°	120	124
125°	52	49
135°	42	33
145°	44	28
155°	42	20
165°	35	10
175°	30	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14626.3
2.5°	14595.4
5°	14566.1
7.5°	14493.9
10°	14348.6
12.5°	14199.8
15°	14043.4
17.5°	13846.5
20°	13586.8
22.5°	13267.8
25°	12877.5
27.5°	12371.9
30°	11725.3
32.5°	10935.1
35°	9937.7
37.5°	8673.0
40°	7431.4
42.5°	6357.5
45°	5422.9
47.5°	4655.0
50°	4036.8
52.5°	3364.5
55°	2655.1
57.5°	1818.5
60°	1245.0
62.5°	969.9
65°	687.0
67.5°	459.1
70°	331.0
72.5°	270.8
75°	234.7
77.5°	200.3
80°	165.9
82.5°	141.0
85°	134.1
87.5°	145.3
90°	172.0
92.5°	215.0
95°	257.9
97.5°	291.5
100°	305.2
102.5°	293.2
105°	265.7
107.5°	228.7
110°	189.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	152.2
115°	120.4
117.5°	93.7
120°	73.9
122.5°	60.2
125°	51.6
127.5°	45.6
130°	43.0
132.5°	42.1
135°	42.1
137.5°	43.0
140°	43.0
142.5°	43.9
145°	43.9
147.5°	44.7
150°	44.7
152.5°	43.9
155°	42.1
157.5°	40.4
160°	38.7
162.5°	37.0
165°	35.3
167.5°	33.5
170°	31.8
172.5°	31.0
175°	30.1
177.5°	30.1
180°	30.1

(END OF REPORT)