

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: P1505178

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505178
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-108)
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 (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

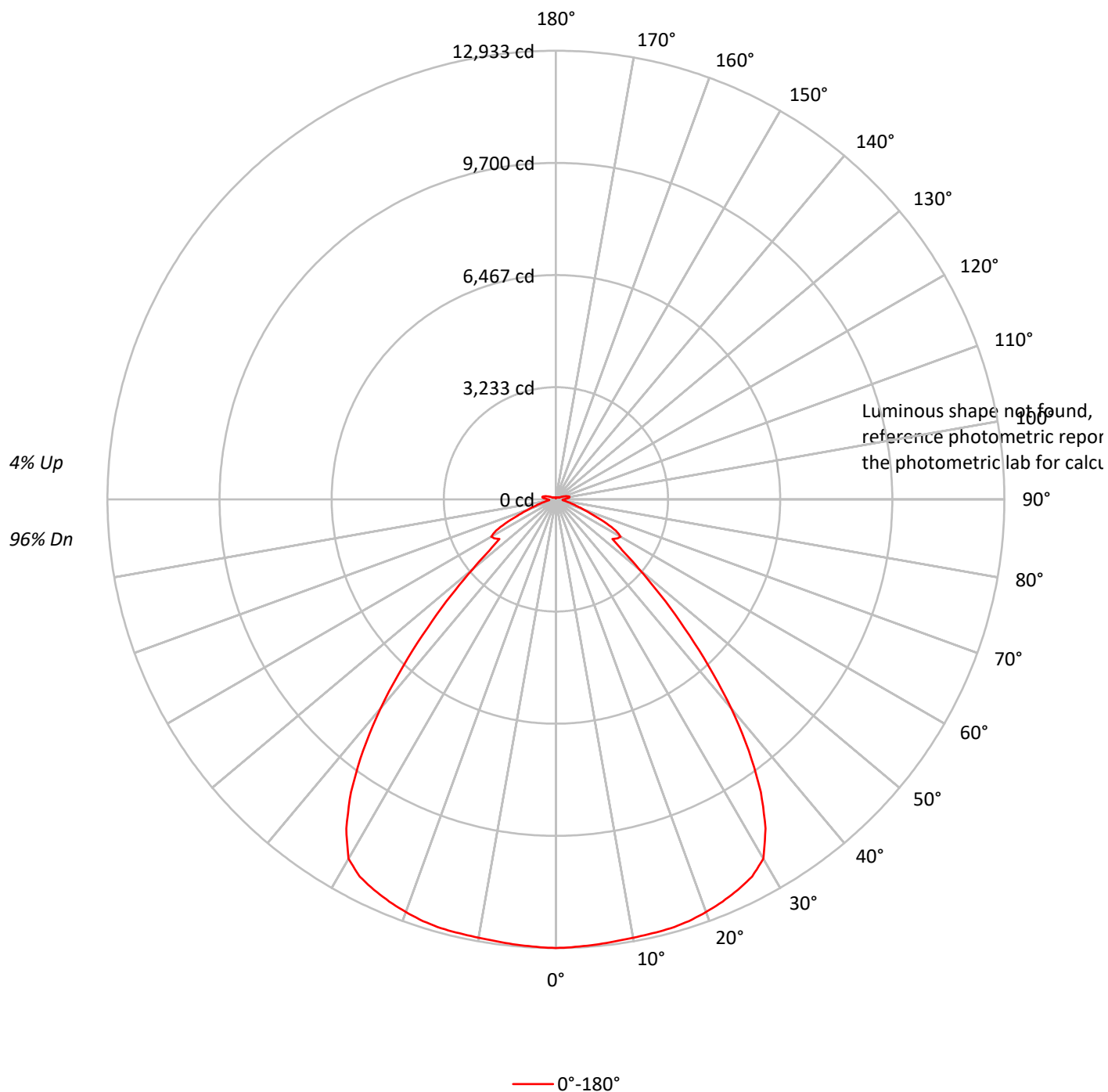
Lumens per Lamp: N/A
Luminaire Lumens: 26412.8 lumens
Efficiency: N/A
Efficacy: 169.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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





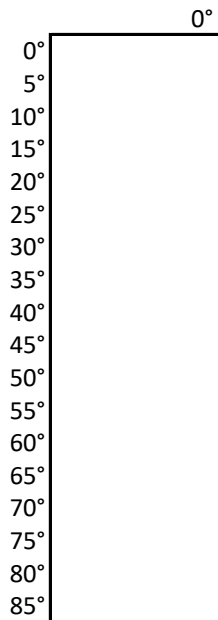
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	103	103	98	98	98	96		
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	85		
2	102	96	90	86	99	93	88	84	89	85	82	86	82	79	82	79	77	75		
3	95	86	80	74	92	84	78	73	81	76	72	78	74	70	75	71	68	66		
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	69	64	61	59		
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	55	53		
6	76	65	57	52	74	64	57	51	62	55	51	60	54	50	58	53	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	39		
9	63	51	44	39	61	50	43	38	49	42	38	47	42	38	46	41	37	36		
10	59	47	40	35	58	47	40	35	45	39	35	44	39	35	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1228.3	4.7
10°-20°	3619.4	13.7
20°-30°	5723.2	21.7
30°-40°	6326.7	24.0
40°-50°	4083.7	15.5
50°-60°	2042.2	7.7
60°-70°	1508.6	5.7
70°-80°	526.2	2.0
80°-90°	230.9	0.9
90°-100°	355.8	1.3
100°-110°	358.9	1.4
110°-120°	174.2	0.7
120°-130°	79.9	0.3
130°-140°	59.1	0.2
140°-150°	45.4	0.2
150°-160°	30.6	0.1
160°-170°	15.5	0.1
170°-180°	4.0	0.0
0°-30°	10570.9	40.0
0°-40°	16897.7	64.0
0°-60°	23023.6	87.2
0°-90°	25289.4	95.7
90°-120°	888.8	3.4
90°-150°	1073.3	4.1
90°-180°	1123.0	4.3
0°-180°	26412.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12933	
5°	12888	###
15°	12799	3619
25°	12420	5723
35°	10303	6327
45°	5237	4084
55°	1989	2042
65°	1542	1509
75°	476	526
85°	191	173
90°	225	127
95°	334	287
105°	345	359
115°	168	174
125°	85	80
135°	76	59
145°	72	45
155°	66	31
165°	54	15
175°	40	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12933.3
2.5°	12911.8
5°	12887.8
7.5°	12856.8
10°	12831.0
12.5°	12813.8
15°	12799.2
17.5°	12746.8
20°	12659.9
22.5°	12549.0
25°	12420.0
27.5°	12256.7
30°	11959.2
32.5°	11249.8
35°	10303.2
37.5°	9138.1
40°	7873.3
42.5°	6515.7
45°	5237.1
47.5°	4097.0
50°	3134.0
52.5°	2409.2
55°	1988.8
57.5°	2096.2
60°	2153.0
62.5°	1952.6
65°	1542.5
67.5°	1133.2
70°	822.8
72.5°	619.1
75°	476.3
77.5°	356.8
80°	268.3
82.5°	213.2
85°	190.9
87.5°	196.0
90°	225.3
92.5°	276.9
95°	333.6
97.5°	382.6
100°	399.0
102.5°	380.9
105°	344.8
107.5°	301.8
110°	255.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	209.8
115°	168.5
117.5°	135.9
120°	112.6
122.5°	96.3
125°	85.1
127.5°	79.1
130°	76.5
132.5°	76.5
135°	76.5
137.5°	76.5
140°	74.8
142.5°	73.1
145°	72.2
147.5°	71.4
150°	69.6
152.5°	67.9
155°	66.2
157.5°	64.5
160°	61.0
162.5°	57.6
165°	54.2
167.5°	49.9
170°	46.4
172.5°	43.0
175°	40.4
177.5°	38.7
180°	38.7

(END OF REPORT)