

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: P1505394

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505394
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-102)
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-B-04-TRWH-PS (3500K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

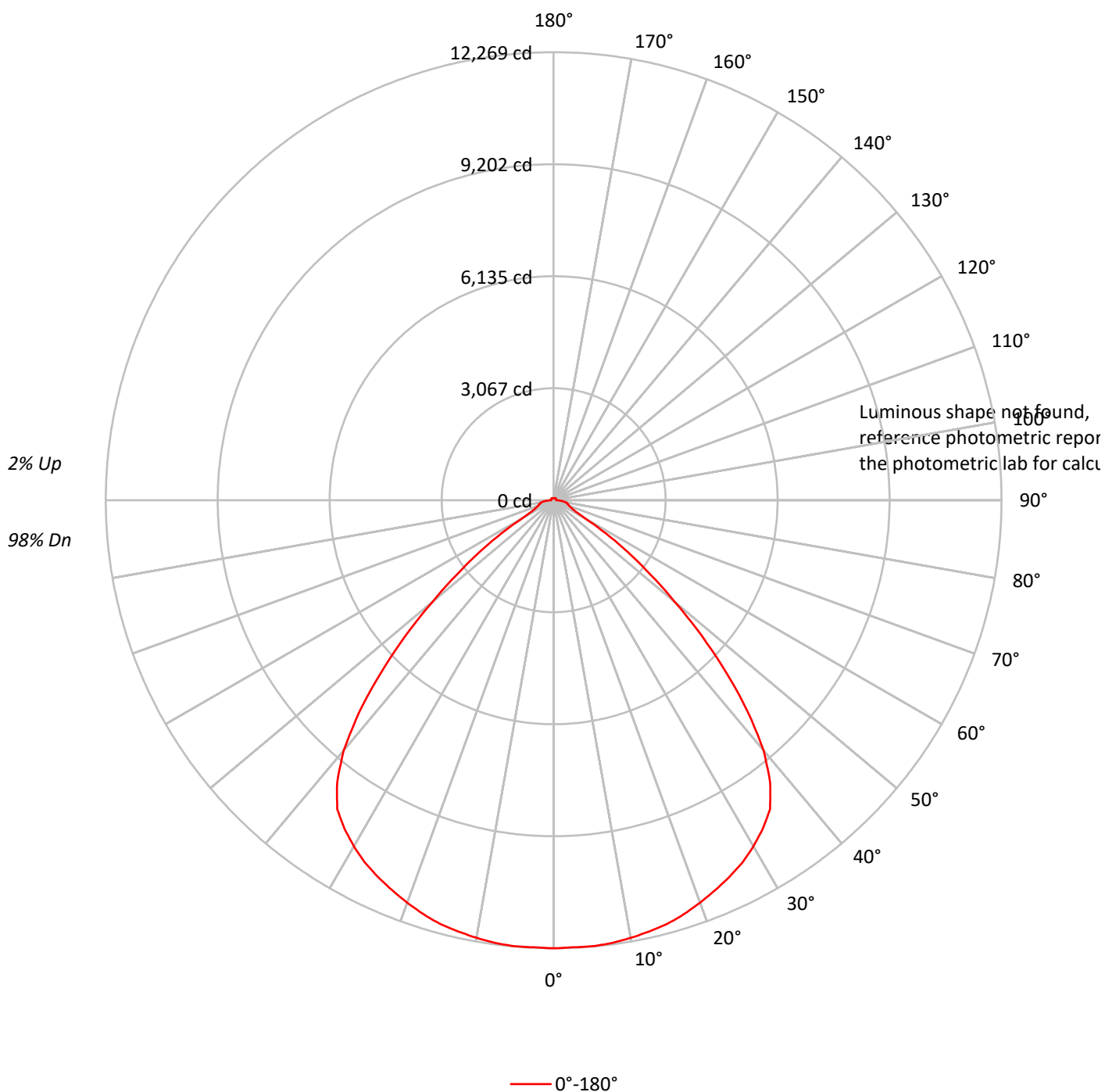
Lumens per Lamp: N/A
Luminaire Lumens: 25270.8 lumens
Efficiency: N/A
Efficacy: 160.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 157.5
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



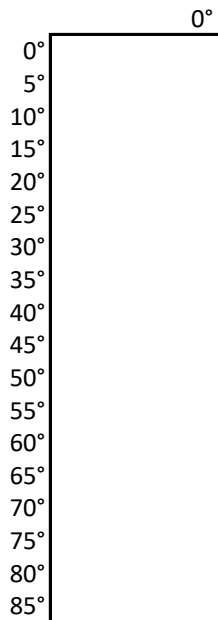
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		110	110	110		105	105	105		100	100	100
1	111	107	104	101	108	105	102	99		100	98	96		96	94	93		93	91	90
2	103	97	91	87	101	95	90	86		91	87	84		88	84	81		85	82	79
3	96	87	81	76	93	86	80	75		83	78	73		80	76	72		77	74	71
4	89	79	72	66	87	78	71	66		75	69	65		73	68	64		71	66	63
5	83	72	64	59	81	71	64	58		69	62	58		67	61	57		65	60	56
6	77	66	58	52	75	65	57	52		63	56	52		61	55	51		60	55	51
7	72	60	53	47	70	59	52	47		58	51	47		56	50	46		55	50	46
8	67	55	48	43	66	55	47	42		53	47	42		52	46	42		51	45	42
9	63	51	44	39	62	50	43	39		49	43	38		48	42	38		47	42	38
10	59	47	40	35	58	47	40	35		46	39	35		45	39	35		44	38	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°	1167.3	4.6
10°-20°	3391.2	13.4
20°-30°	5251.1	20.8
30°-40°	6364.7	25.2
40°-50°	5130.9	20.3
50°-60°	2260.7	8.9
60°-70°	616.3	2.4
70°-80°	422.9	1.7
80°-90°	232.5	0.9
90°-100°	75.3	0.3
100°-110°	75.5	0.3
110°-120°	71.0	0.3
120°-130°	63.6	0.3
130°-140°	54.1	0.2
140°-150°	43.9	0.2
150°-160°	30.0	0.1
160°-170°	15.3	0.1
170°-180°	4.5	0.0
0°-30°	9809.6	38.8
0°-40°	16174.3	64.0
0°-60°	23565.9	93.3
0°-90°	24837.5	98.3
90°-120°	221.8	0.9
90°-150°	383.5	1.5
90°-180°	433.0	1.7
0°-180°	25270.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12269	
5°	12259	###
15°	12014	3391
25°	11384	5251
35°	10332	6365
45°	6712	5131
55°	2494	2261
65°	579	616
75°	403	423
85°	221	204
90°	68	48
95°	69	57
105°	71	76
115°	71	71
125°	71	64
135°	70	54
145°	70	44
155°	64	30
165°	53	15
175°	46	4
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12269.2
2.5°	12254.3
5°	12259.3
7.5°	12231.9
10°	12168.8
12.5°	12095.7
15°	12014.3
17.5°	11883.9
20°	11727.8
22.5°	11559.2
25°	11384.0
27.5°	11188.9
30°	10944.7
32.5°	10661.6
35°	10331.9
37.5°	9739.8
40°	8943.5
42.5°	7888.9
45°	6712.2
47.5°	5510.6
50°	4343.9
52.5°	3339.9
55°	2494.5
57.5°	1698.2
60°	1003.1
62.5°	686.7
65°	578.8
67.5°	502.4
70°	452.6
72.5°	426.8
75°	402.7
77.5°	376.2
80°	337.1
82.5°	287.3
85°	220.9
87.5°	142.8
90°	68.1
92.5°	68.1
95°	68.9
97.5°	69.8
100°	70.6
102.5°	71.4
105°	71.4
107.5°	71.4
110°	72.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.4
115°	71.4
117.5°	71.4
120°	71.4
122.5°	71.4
125°	70.6
127.5°	70.6
130°	70.6
132.5°	69.8
135°	69.8
137.5°	69.8
140°	69.8
142.5°	69.8
145°	69.8
147.5°	69.8
150°	70.6
152.5°	67.3
155°	63.9
157.5°	61.5
160°	59.0
162.5°	56.5
165°	53.1
167.5°	50.7
170°	48.2
172.5°	46.5
175°	46.5
177.5°	46.5
180°	46.5

(END OF REPORT)