

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: P1505034

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505034
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-68)
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-TRWH-PS (3500K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

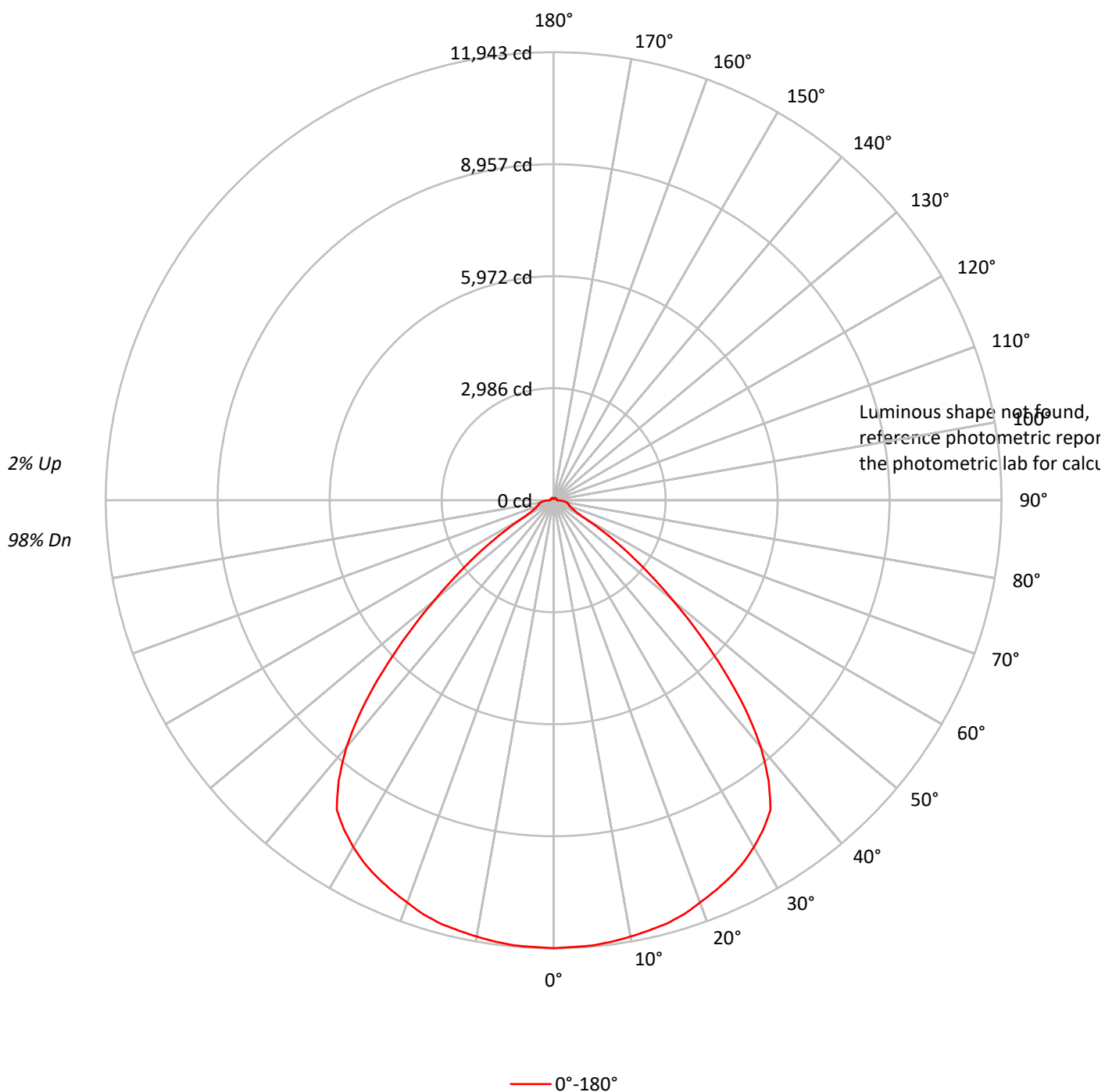
Lumens per Lamp: N/A
Luminaire Lumens: 24575.9 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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



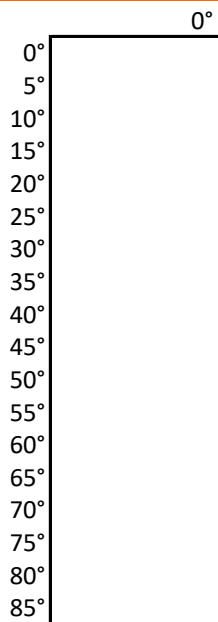
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	92		92	91	89
2	103	97	91	87	100	95	90	86		91	87	83		88	84	81		84	82	79
3	96	87	81	75	93	86	80	75		83	77	73		80	75	72		77	73	70
4	89	79	72	66	87	78	71	66		75	69	65		73	68	64		70	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		59	54	51
7	72	60	52	47	70	59	52	47		58	51	46		56	50	46		55	50	46
8	67	55	48	43	66	55	47	42		53	47	42		52	46	42		51	45	41
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°	1133.8	4.6
10°-20°	3297.5	13.4
20°-30°	5120.2	20.8
30°-40°	6184.0	25.2
40°-50°	4915.9	20.0
50°-60°	2151.1	8.8
60°-70°	604.6	2.5
70°-80°	432.2	1.8
80°-90°	260.9	1.1
90°-100°	89.8	0.4
100°-110°	86.9	0.4
110°-120°	79.9	0.3
120°-130°	69.4	0.3
130°-140°	57.5	0.2
140°-150°	45.8	0.2
150°-160°	29.7	0.1
160°-170°	13.4	0.1
170°-180°	3.4	0.0
0°-30°	9551.4	38.9
0°-40°	15735.4	64.0
0°-60°	22802.3	92.8
0°-90°	24100.1	98.1
90°-120°	256.6	1.0
90°-150°	429.3	1.7
90°-180°	476.0	1.9
0°-180°	24575.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11943	
5°	11914	###
15°	11679	3297
25°	11106	5120
35°	10081	6184
45°	6428	4916
55°	2365	2151
65°	571	605
75°	410	432
85°	252	225
90°	88	59
95°	81	67
105°	82	87
115°	81	80
125°	77	69
135°	74	57
145°	73	46
155°	64	30
165°	46	13
175°	34	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11942.7
2.5°	11920.7
5°	11914.2
7.5°	11871.9
10°	11810.0
12.5°	11746.5
15°	11679.0
17.5°	11569.9
20°	11414.4
22.5°	11264.7
25°	11106.0
27.5°	10915.5
30°	10677.8
32.5°	10404.4
35°	10081.2
37.5°	9412.2
40°	8595.8
42.5°	7589.0
45°	6427.5
47.5°	5253.9
50°	4139.6
52.5°	3189.8
55°	2365.3
57.5°	1617.3
60°	940.1
62.5°	680.4
65°	571.4
67.5°	498.9
70°	453.4
72.5°	430.6
75°	410.2
77.5°	389.9
80°	356.5
82.5°	312.5
85°	252.3
87.5°	170.9
90°	87.9
92.5°	80.6
95°	81.4
97.5°	82.2
100°	82.2
102.5°	82.2
105°	82.2
107.5°	82.2
110°	81.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	81.4
115°	80.6
117.5°	79.8
120°	79.0
122.5°	78.1
125°	77.3
127.5°	76.5
130°	75.7
132.5°	74.9
135°	74.1
137.5°	73.3
140°	73.3
142.5°	73.3
145°	73.3
147.5°	72.4
150°	71.6
152.5°	68.4
155°	63.5
157.5°	59.4
160°	55.3
162.5°	50.5
165°	45.6
167.5°	43.1
170°	39.1
172.5°	36.6
175°	34.2
177.5°	33.4
180°	33.4

(END OF REPORT)