

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: P1505221

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505221
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-113)
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-TRWH-PS (4000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

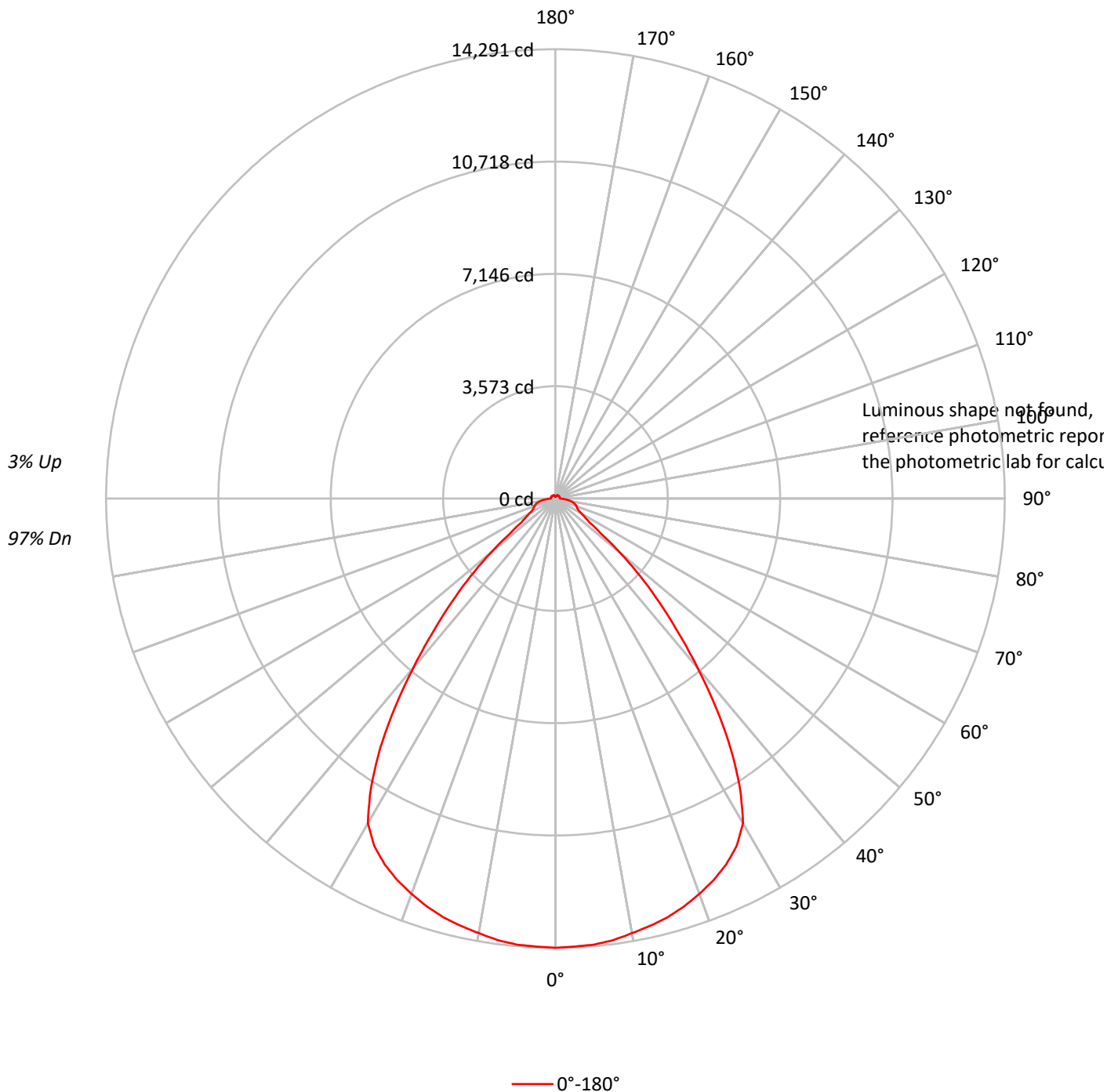
Lumens per Lamp: N/A
Luminaire Lumens: 24727.3 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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



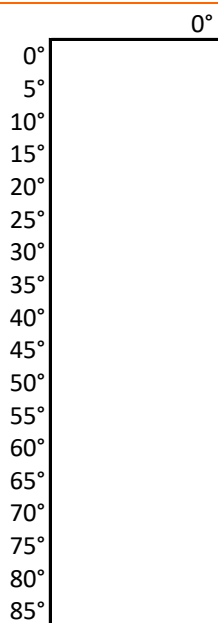
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		104	104	104		99	99	99
1	110	107	103	100	108	104	101	98		99	97	95		95	93	91		91	90	88
2	103	97	91	87	100	94	90	86		91	87	83		87	84	81		84	81	79
3	96	88	81	76	94	86	80	75		83	78	74		80	76	72		77	73	70
4	90	80	73	68	87	79	72	67		76	70	66		73	68	65		71	67	63
5	84	73	66	61	82	72	65	60		70	64	59		68	62	58		66	61	57
6	78	67	60	55	76	66	59	54		64	58	54		62	57	53		61	56	52
7	74	62	55	50	72	61	54	49		60	53	49		58	52	48		56	52	48
8	69	58	50	45	67	57	50	45		55	49	45		54	48	44		53	48	44
9	65	53	46	42	64	53	46	41		51	45	41		50	45	41		49	44	40
10	61	50	43	38	60	49	43	38		48	42	38		47	41	38		46	41	37

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1352.7	5.5
10°-20°	3889.5	15.7
20°-30°	5894.2	23.8
30°-40°	5990.8	24.2
40°-50°	3625.2	14.7
50°-60°	1346.7	5.4
60°-70°	792.2	3.2
70°-80°	661.3	2.7
80°-90°	356.9	1.4
90°-100°	154.1	0.6
100°-110°	151.4	0.6
110°-120°	139.6	0.6
120°-130°	120.4	0.5
130°-140°	98.7	0.4
140°-150°	76.7	0.3
150°-160°	49.3	0.2
160°-170°	22.1	0.1
170°-180°	5.5	0.0
0°-30°	11136.4	45.0
0°-40°	17127.1	69.3
0°-60°	22099.1	89.4
0°-90°	23909.5	96.7
90°-120°	445.1	1.8
90°-150°	740.9	3.0
90°-180°	818.0	3.3
0°-180°	24727.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14291	
5°	14238	###
15°	13786	3889
25°	12842	5894
35°	9724	5991
45°	4664	3625
55°	1311	1347
65°	777	792
75°	634	661
85°	331	306
90°	141	90
95°	141	116
105°	144	151
115°	141	140
125°	134	120
135°	127	99
145°	122	77
155°	106	49
165°	76	22
175°	54	5
180°	52	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14291.0
2.5°	14262.6
5°	14238.5
7.5°	14162.0
10°	14037.3
12.5°	13920.4
15°	13786.3
17.5°	13601.4
20°	13379.6
22.5°	13137.1
25°	12842.2
27.5°	12467.3
30°	11929.9
32.5°	10929.1
35°	9723.7
37.5°	8397.0
40°	7035.0
42.5°	5773.7
45°	4663.6
47.5°	3661.1
50°	2686.1
52.5°	1815.9
55°	1311.2
57.5°	1116.0
60°	959.6
62.5°	839.2
65°	777.3
67.5°	742.9
70°	717.9
72.5°	682.7
75°	633.7
77.5°	575.2
80°	505.6
82.5°	423.9
85°	331.0
87.5°	232.2
90°	141.0
92.5°	140.1
95°	141.0
97.5°	141.9
100°	142.7
102.5°	143.6
105°	143.6
107.5°	142.7
110°	142.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	141.9
115°	141.0
117.5°	139.3
120°	137.6
122.5°	135.9
125°	134.1
127.5°	132.4
130°	130.7
132.5°	129.0
135°	127.3
137.5°	125.5
140°	124.7
142.5°	123.0
145°	122.1
147.5°	121.2
150°	118.7
152.5°	112.6
155°	105.8
157.5°	98.9
160°	92.0
162.5°	83.4
165°	75.7
167.5°	69.6
170°	63.6
172.5°	58.5
175°	54.2
177.5°	52.4
180°	52.4

(END OF REPORT)