

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: P1505021

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505021
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-82)
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 (6500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

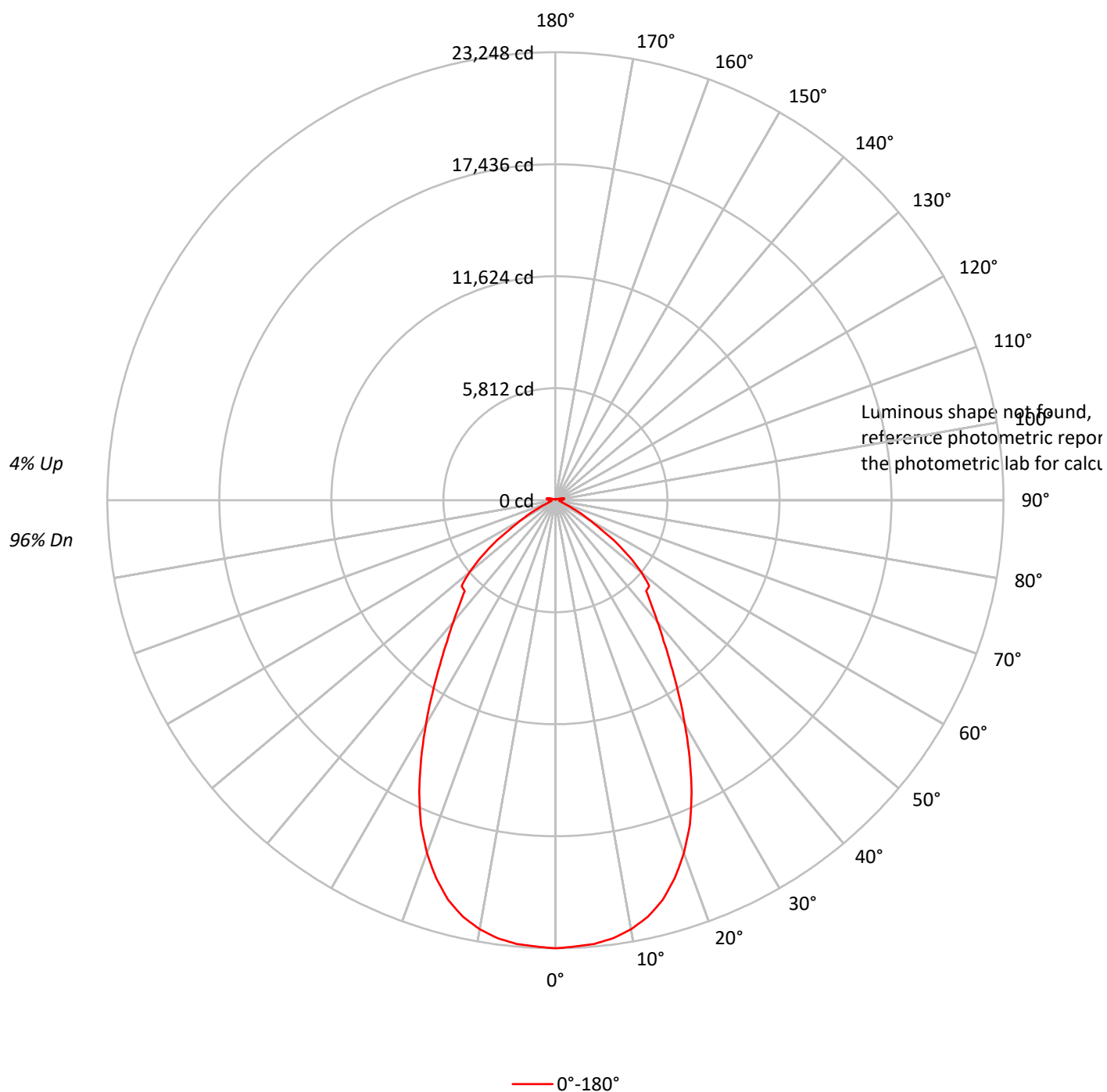
Lumens per Lamp: N/A
Luminaire Lumens: 33980.6 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 239.6
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



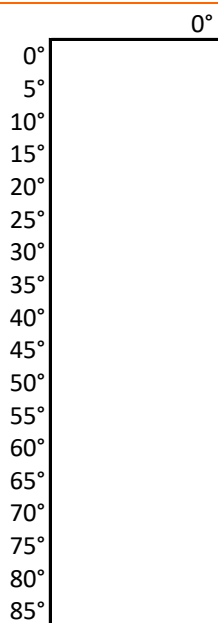
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20						20
RC	80					70						30						0
RW	70	50	30	10		70	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
1	111	107	104	101		108	105	102	99		100	98	96		96	94	92	92
2	103	97	92	88		101	95	90	87		91	87	84		88	84	82	84
3	96	88	82	77		94	87	81	76		83	78	74		80	76	73	77
4	90	80	74	68		88	79	73	68		76	71	66		74	69	65	71
5	84	74	66	61		82	72	66	61		70	64	60		68	63	59	66
6	79	68	60	55		77	67	60	55		65	59	54		63	57	53	61
7	74	62	55	50		72	62	55	50		60	54	49		58	53	49	57
8	69	58	51	46		68	57	50	46		56	49	45		54	49	45	53
9	65	54	47	42		64	53	46	42		52	46	42		51	45	41	49
10	62	50	43	39		60	50	43	39		49	43	38		47	42	38	46

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2189.9	6.4
10°-20°	5994.3	17.6
20°-30°	7607.8	22.4
30°-40°	6591.2	19.4
40°-50°	5332.8	15.7
50°-60°	3434.2	10.1
60°-70°	1055.2	3.1
70°-80°	339.7	1.0
80°-90°	242.9	0.7
90°-100°	427.2	1.3
100°-110°	406.4	1.2
110°-120°	172.6	0.5
120°-130°	64.6	0.2
130°-140°	42.3	0.1
140°-150°	35.5	0.1
150°-160°	25.5	0.1
160°-170°	14.2	0.0
170°-180°	4.4	0.0
0°-30°	15792.0	46.5
0°-40°	22383.2	65.9
0°-60°	31150.1	91.7
0°-90°	32787.9	96.5
90°-120°	1006.2	3.0
90°-150°	1148.6	3.4
90°-180°	1193.0	3.5
0°-180°	33980.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23248	
5°	23113	###
15°	21474	5994
25°	16716	7608
35°	10438	6591
45°	6658	5333
55°	3876	3434
65°	974	1055
75°	315	340
85°	203	174
90°	276	154
95°	405	342
105°	394	406
115°	165	173
125°	68	65
135°	54	42
145°	56	35
155°	55	26
165°	49	14
175°	46	4
180°	44	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23248.1
2.5°	23176.6
5°	23113.3
7.5°	22920.0
10°	22604.8
12.5°	22142.0
15°	21474.2
17.5°	20563.8
20°	19482.3
22.5°	18218.1
25°	16716.1
27.5°	15074.6
30°	13428.4
32.5°	11881.8
35°	10438.3
37.5°	9229.2
40°	8228.6
42.5°	7366.2
45°	6658.5
47.5°	6600.0
50°	5833.7
52.5°	4896.4
55°	3875.8
57.5°	2773.3
60°	2003.5
62.5°	1473.9
65°	973.6
67.5°	622.2
70°	444.1
72.5°	360.9
75°	315.2
77.5°	273.0
80°	232.0
82.5°	203.9
85°	202.7
87.5°	229.6
90°	276.5
92.5°	342.1
95°	405.4
97.5°	449.9
100°	462.8
102.5°	440.5
105°	393.7
107.5°	332.8
110°	270.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	213.2
115°	165.2
117.5°	127.7
120°	99.6
122.5°	80.8
125°	68.0
127.5°	59.8
130°	56.2
132.5°	53.9
135°	53.9
137.5°	55.1
140°	55.1
142.5°	56.2
145°	56.2
147.5°	57.4
150°	57.4
152.5°	56.2
155°	55.1
157.5°	53.9
160°	52.7
162.5°	51.6
165°	49.2
167.5°	48.0
170°	46.9
172.5°	45.7
175°	45.7
177.5°	44.5
180°	44.5

(END OF REPORT)