

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: P1505004

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (4000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505004
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-84)
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 (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

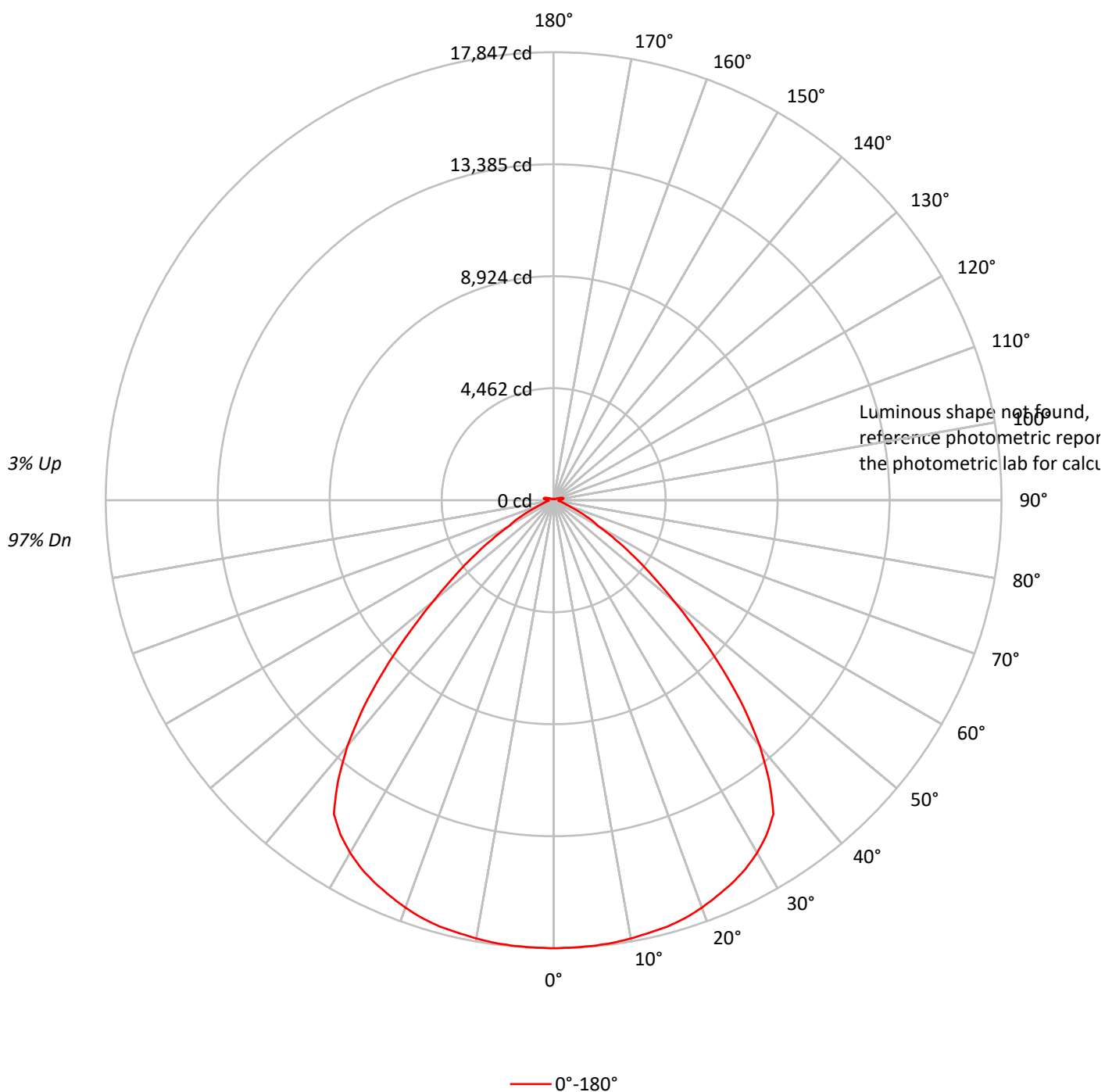
Lumens per Lamp: N/A
Luminaire Lumens: 37635.3 lumens
Efficiency: N/A
Efficacy: 162.3 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 231.9
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	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	90	89
2	103	97	91	87	100	94	90	85	91	87	83	87	84	81	84	81	79
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	76	73	70
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	66	62
5	83	72	64	58	80	70	63	58	68	62	57	66	61	56	64	59	56
6	77	65	58	52	75	64	57	52	62	56	51	60	55	51	59	54	50
7	72	60	52	47	70	59	52	47	57	51	46	56	50	46	54	49	45
8	67	55	47	42	65	54	47	42	53	46	42	51	46	41	50	45	41
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1698.2	4.5
10°-20°	4966.6	13.2
20°-30°	7761.4	20.6
30°-40°	9331.5	24.8
40°-50°	7299.8	19.4
50°-60°	3547.0	9.4
60°-70°	1242.8	3.3
70°-80°	426.0	1.1
80°-90°	228.1	0.6
90°-100°	351.2	0.9
100°-110°	376.2	1.0
110°-120°	183.7	0.5
120°-130°	75.4	0.2
130°-140°	52.6	0.1
140°-150°	44.0	0.1
150°-160°	30.9	0.1
160°-170°	15.7	0.0
170°-180°	4.2	0.0
0°-30°	14426.2	38.3
0°-40°	23757.7	63.1
0°-60°	34604.6	91.9
0°-90°	36501.5	97.0
90°-120°	911.0	2.4
90°-150°	1083.1	2.9
90°-180°	1134.0	3.0
0°-180°	37635.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17847	
5°	17822	###
15°	17574	4967
25°	16831	7761
35°	15265	9331
45°	9522	7300
55°	3922	3547
65°	1228	1243
75°	392	426
85°	190	172
90°	217	123
95°	329	284
105°	366	376
115°	179	184
125°	80	75
135°	68	53
145°	70	44
155°	67	31
165°	54	16
175°	42	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17847.0
2.5°	17830.0
5°	17821.6
7.5°	17788.9
10°	17727.1
12.5°	17646.0
15°	17574.5
17.5°	17452.2
20°	17269.4
22.5°	17056.3
25°	16831.1
27.5°	16561.0
30°	16219.6
32.5°	15800.6
35°	15265.4
37.5°	14118.7
40°	12775.9
42.5°	11228.4
45°	9522.3
47.5°	7804.0
50°	6248.1
52.5°	4977.9
55°	3922.0
57.5°	2927.9
60°	2043.9
62.5°	1666.2
65°	1227.8
67.5°	835.5
70°	592.1
72.5°	468.6
75°	392.3
77.5°	326.9
80°	262.8
82.5°	215.5
85°	190.1
87.5°	191.3
90°	216.7
92.5°	270.0
95°	329.4
97.5°	379.0
100°	403.2
102.5°	394.7
105°	365.7
107.5°	322.1
110°	272.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	222.8
115°	179.2
117.5°	141.7
120°	112.6
122.5°	93.2
125°	79.9
127.5°	71.4
130°	67.8
132.5°	66.6
135°	67.8
137.5°	69.0
140°	69.0
142.5°	70.2
145°	70.2
147.5°	70.2
150°	70.2
152.5°	69.0
155°	66.6
157.5°	64.2
160°	61.8
162.5°	58.1
165°	54.5
167.5°	50.9
170°	47.2
172.5°	44.8
175°	42.4
177.5°	41.2
180°	40.0

(END OF REPORT)