

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: P1505001

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505001
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_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

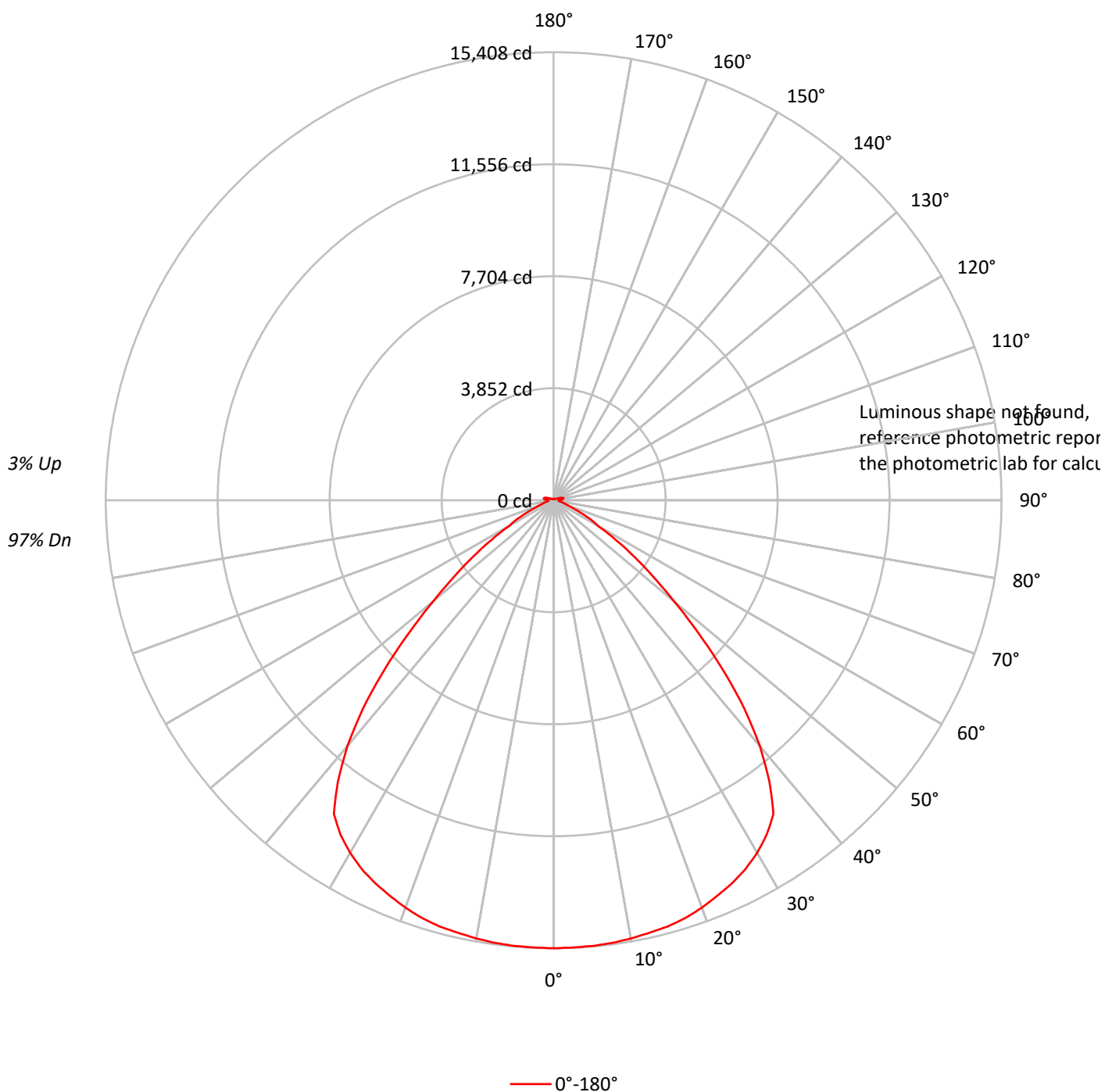
Lumens per Lamp: N/A
Luminaire Lumens: 32491.8 lumens
Efficiency: N/A
Efficacy: 167.2 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 194.3
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





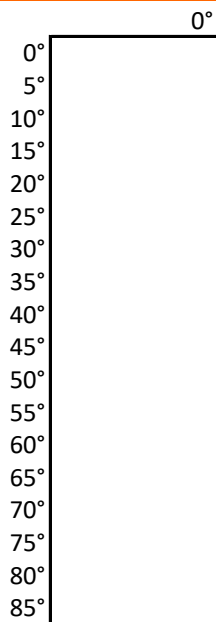
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	90	89	87		
2	103	97	91	87	100	94	90	85	91	87	83	87	84	81	84	81	79	77		
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	76	73	70	68		
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	66	62	60		
5	83	72	64	58	80	70	63	58	68	62	57	66	61	56	64	59	56	54		
6	77	65	58	52	75	64	57	52	62	56	51	60	55	51	59	54	50	48		
7	72	60	52	47	70	59	52	47	57	51	46	56	50	46	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	46	41	50	45	41	39		
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	36		
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1466.1	4.5
10°-20°	4287.8	13.2
20°-30°	6700.7	20.6
30°-40°	8056.1	24.8
40°-50°	6302.2	19.4
50°-60°	3062.3	9.4
60°-70°	1073.0	3.3
70°-80°	367.8	1.1
80°-90°	197.0	0.6
90°-100°	303.2	0.9
100°-110°	324.8	1.0
110°-120°	158.6	0.5
120°-130°	65.2	0.2
130°-140°	45.4	0.1
140°-150°	38.0	0.1
150°-160°	26.7	0.1
160°-170°	13.5	0.0
170°-180°	3.6	0.0
0°-30°	12454.6	38.3
0°-40°	20510.7	63.1
0°-60°	29875.2	91.9
0°-90°	31512.9	97.0
90°-120°	786.5	2.4
90°-150°	935.1	2.9
90°-180°	979.0	3.0
0°-180°	32491.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15408	
5°	15386	###
15°	15173	4288
25°	14531	6701
35°	13179	8056
45°	8221	6302
55°	3386	3062
65°	1060	1073
75°	339	368
85°	164	149
90°	187	106
95°	284	246
105°	316	325
115°	155	159
125°	69	65
135°	58	45
145°	61	38
155°	58	27
165°	47	14
175°	37	4
180°	34	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15407.8
2.5°	15393.2
5°	15385.9
7.5°	15357.7
10°	15304.3
12.5°	15234.3
15°	15172.6
17.5°	15067.0
20°	14909.2
22.5°	14725.2
25°	14530.8
27.5°	14297.6
30°	14002.9
32.5°	13641.1
35°	13179.1
37.5°	12189.1
40°	11029.8
42.5°	9693.8
45°	8220.9
47.5°	6737.5
50°	5394.2
52.5°	4297.6
55°	3386.0
57.5°	2527.7
60°	1764.6
62.5°	1438.4
65°	1060.0
67.5°	721.3
70°	511.2
72.5°	404.6
75°	338.7
77.5°	282.3
80°	226.8
82.5°	186.1
85°	164.1
87.5°	165.2
90°	187.1
92.5°	233.1
95°	284.3
97.5°	327.2
100°	348.1
102.5°	340.8
105°	315.7
107.5°	278.1
110°	235.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	192.3
115°	154.7
117.5°	122.3
120°	97.2
122.5°	80.5
125°	69.0
127.5°	61.7
130°	58.5
132.5°	57.5
135°	58.5
137.5°	59.6
140°	59.6
142.5°	60.6
145°	60.6
147.5°	60.6
150°	60.6
152.5°	59.6
155°	57.5
157.5°	55.4
160°	53.3
162.5°	50.2
165°	47.0
167.5°	43.9
170°	40.8
172.5°	38.7
175°	36.6
177.5°	35.5
180°	34.5

(END OF REPORT)