

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: P1505046

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505046
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 (4000K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

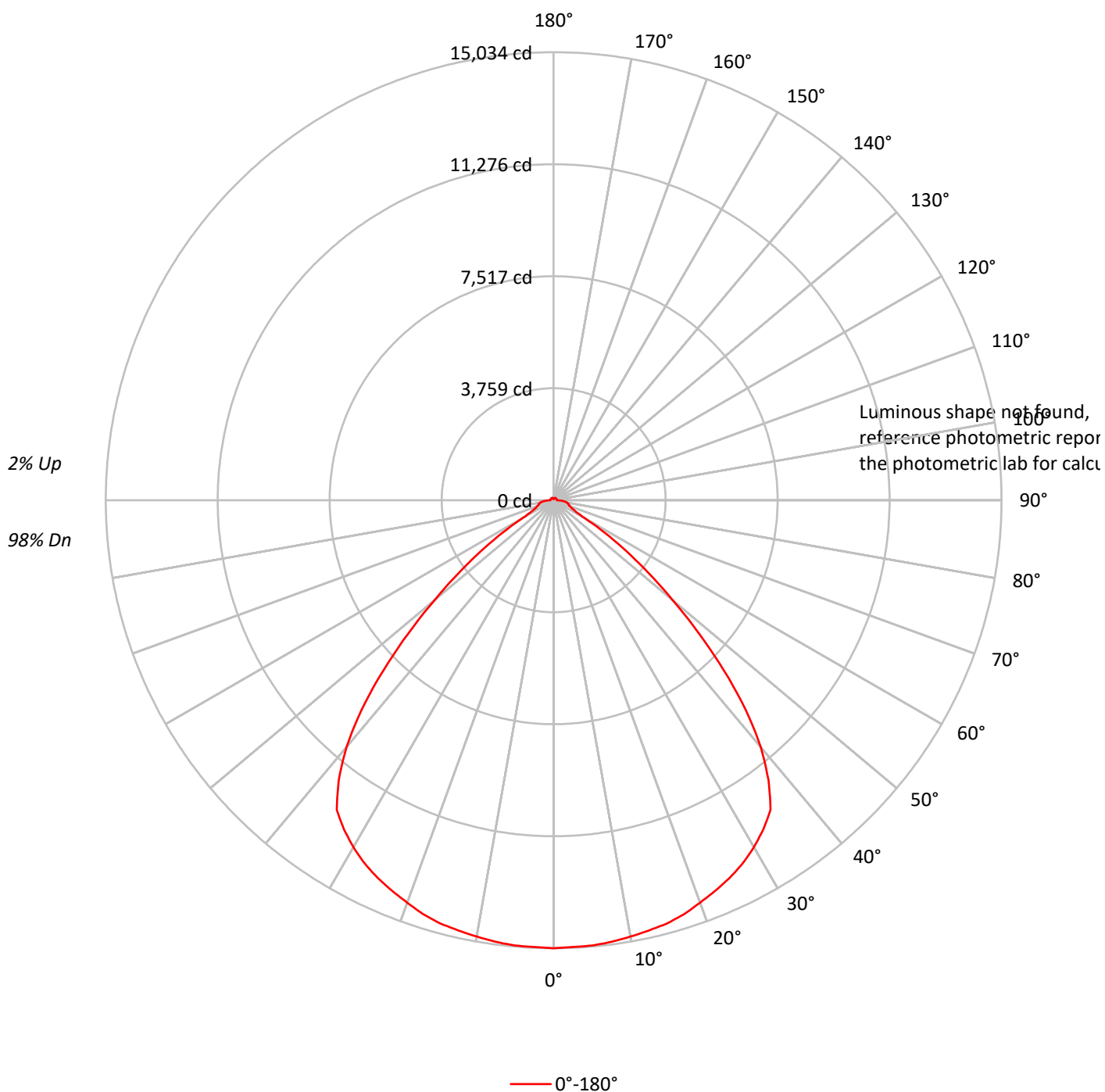
Lumens per Lamp: N/A
Luminaire Lumens: 30938.0 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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



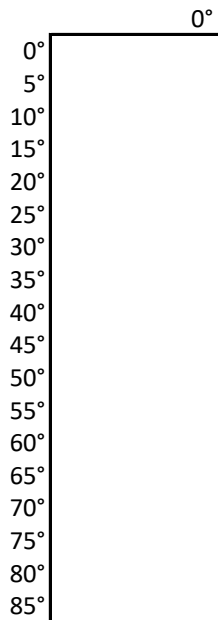
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89			87
2	103	97	91	87	100	95	90	86	91	87	83	88	84	81	84	82	79			77
3	96	87	81	75	93	86	80	75	83	77	73	80	75	72	77	73	70			68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63			61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56			54
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	51			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46			44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41			40
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35			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°	1427.3	4.6
10°-20°	4151.1	13.4
20°-30°	6445.7	20.8
30°-40°	7784.8	25.2
40°-50°	6188.5	20.0
50°-60°	2707.9	8.8
60°-70°	761.1	2.5
70°-80°	544.1	1.8
80°-90°	328.5	1.1
90°-100°	113.1	0.4
100°-110°	109.4	0.4
110°-120°	100.6	0.3
120°-130°	87.4	0.3
130°-140°	72.3	0.2
140°-150°	57.6	0.2
150°-160°	37.4	0.1
160°-170°	16.9	0.1
170°-180°	4.3	0.0
0°-30°	12024.1	38.9
0°-40°	19808.9	64.0
0°-60°	28705.3	92.8
0°-90°	30339.0	98.1
90°-120°	323.0	1.0
90°-150°	540.3	1.7
90°-180°	599.0	1.9
0°-180°	30938.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15034	
5°	14998	###
15°	14702	4151
25°	13981	6446
35°	12691	7785
45°	8092	6188
55°	2978	2708
65°	719	761
75°	516	544
85°	318	284
90°	111	74
95°	102	84
105°	104	109
115°	101	101
125°	97	87
135°	93	72
145°	92	58
155°	80	37
165°	57	17
175°	43	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15034.4
2.5°	15006.7
5°	14998.5
7.5°	14945.2
10°	14867.3
12.5°	14787.4
15°	14702.4
17.5°	14565.1
20°	14369.4
22.5°	14180.8
25°	13981.0
27.5°	13741.3
30°	13442.1
32.5°	13097.8
35°	12691.0
37.5°	11848.8
40°	10821.1
42.5°	9553.6
45°	8091.5
47.5°	6614.0
50°	5211.3
52.5°	4015.5
55°	2977.6
57.5°	2035.9
60°	1183.4
62.5°	856.6
65°	719.3
67.5°	628.1
70°	570.7
72.5°	542.0
75°	516.4
77.5°	490.8
80°	448.8
82.5°	393.5
85°	317.6
87.5°	215.2
90°	110.7
92.5°	101.4
95°	102.5
97.5°	103.5
100°	103.5
102.5°	103.5
105°	103.5
107.5°	103.5
110°	102.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	102.5
115°	101.4
117.5°	100.4
120°	99.4
122.5°	98.4
125°	97.3
127.5°	96.3
130°	95.3
132.5°	94.3
135°	93.2
137.5°	92.2
140°	92.2
142.5°	92.2
145°	92.2
147.5°	91.2
150°	90.2
152.5°	86.1
155°	79.9
157.5°	74.8
160°	69.7
162.5°	63.5
165°	57.4
167.5°	54.3
170°	49.2
172.5°	46.1
175°	43.0
177.5°	42.0
180°	42.0

(END OF REPORT)