

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: P1505055

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505055
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 (5000K_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

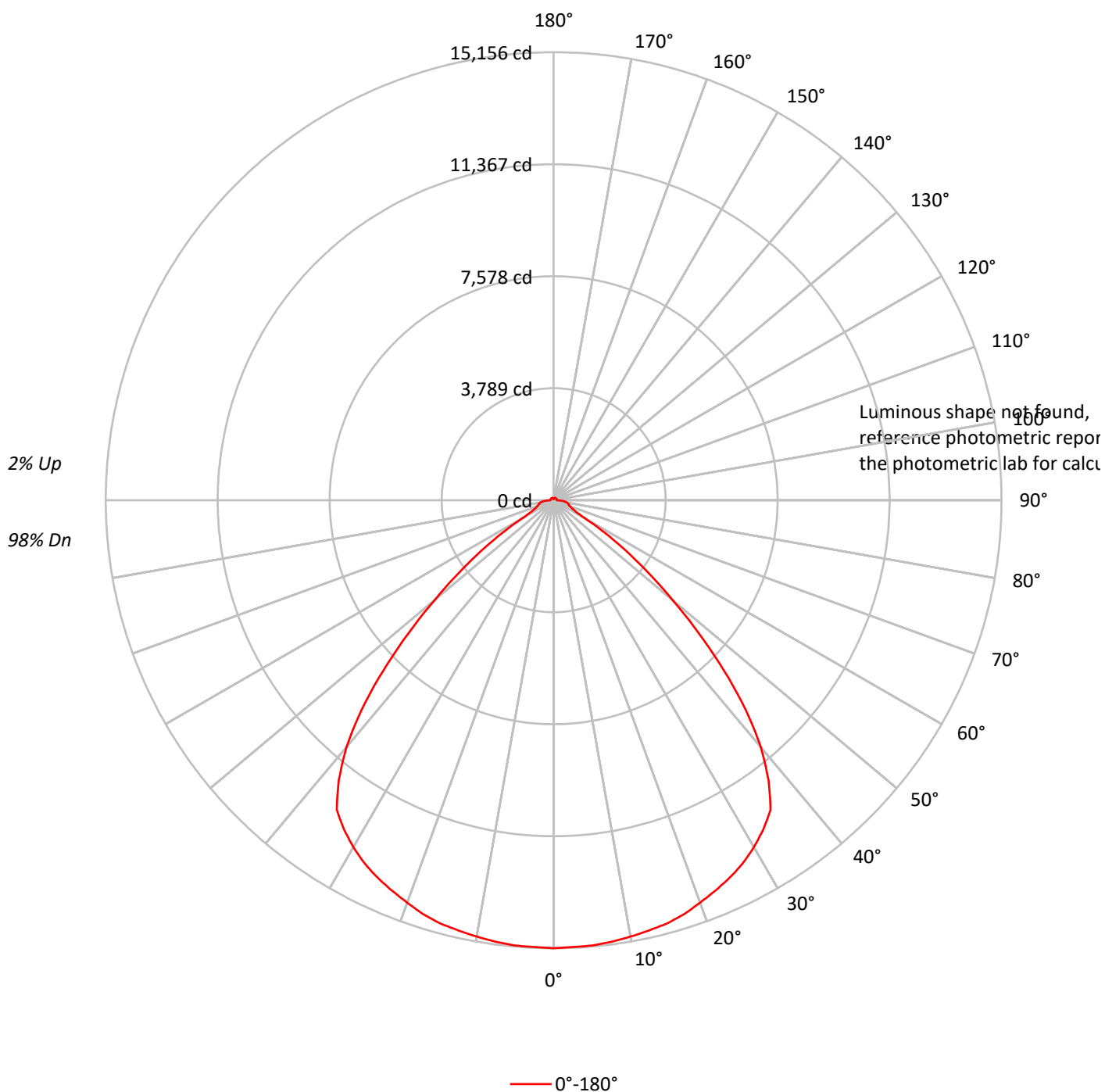
Lumens per Lamp: N/A
Luminaire Lumens: 31188.1 lumens
Efficiency: N/A
Efficacy: 159.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 195.5
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



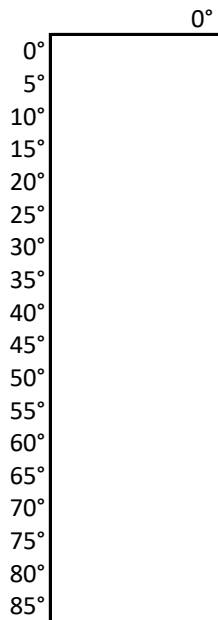
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89
2	103	97	91	87	100	95	90	86	91	87	83	88	84	81	84	82	79
3	96	87	81	75	93	86	80	75	83	77	73	80	75	72	77	73	70
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	51
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1438.8	4.6
10°-20°	4184.7	13.4
20°-30°	6497.8	20.8
30°-40°	7847.8	25.2
40°-50°	6238.5	20.0
50°-60°	2729.8	8.8
60°-70°	767.2	2.5
70°-80°	548.5	1.8
80°-90°	331.2	1.1
90°-100°	114.0	0.4
100°-110°	110.2	0.4
110°-120°	101.4	0.3
120°-130°	88.1	0.3
130°-140°	72.9	0.2
140°-150°	58.1	0.2
150°-160°	37.7	0.1
160°-170°	17.0	0.1
170°-180°	4.4	0.0
0°-30°	12121.3	38.9
0°-40°	19969.1	64.0
0°-60°	28937.4	92.8
0°-90°	30584.3	98.1
90°-120°	325.6	1.0
90°-150°	544.7	1.7
90°-180°	604.0	1.9
0°-180°	31188.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15156	
5°	15120	###
15°	14821	4185
25°	14094	6498
35°	12794	7848
45°	8157	6238
55°	3002	2730
65°	725	767
75°	521	549
85°	320	286
90°	112	74
95°	103	85
105°	104	110
115°	102	101
125°	98	88
135°	94	73
145°	93	58
155°	81	38
165°	58	17
175°	43	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15155.9
2.5°	15128.0
5°	15119.8
7.5°	15066.0
10°	14987.5
12.5°	14907.0
15°	14821.2
17.5°	14682.8
20°	14485.6
22.5°	14295.5
25°	14094.1
27.5°	13852.4
30°	13550.8
32.5°	13203.7
35°	12793.6
37.5°	11944.6
40°	10908.6
42.5°	9630.9
45°	8156.9
47.5°	6667.4
50°	5253.4
52.5°	4048.0
55°	3001.6
57.5°	2052.4
60°	1193.0
62.5°	863.5
65°	725.1
67.5°	633.2
70°	575.3
72.5°	546.4
75°	520.6
77.5°	494.8
80°	452.4
82.5°	396.6
85°	320.2
87.5°	216.9
90°	111.6
92.5°	102.3
95°	103.3
97.5°	104.3
100°	104.3
102.5°	104.3
105°	104.3
107.5°	104.3
110°	103.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	103.3
115°	102.3
117.5°	101.2
120°	100.2
122.5°	99.2
125°	98.1
127.5°	97.1
130°	96.1
132.5°	95.0
135°	94.0
137.5°	93.0
140°	93.0
142.5°	93.0
145°	93.0
147.5°	91.9
150°	90.9
152.5°	86.8
155°	80.6
157.5°	75.4
160°	70.2
162.5°	64.0
165°	57.8
167.5°	54.7
170°	49.6
172.5°	46.5
175°	43.4
177.5°	42.3
180°	42.3

(END OF REPORT)