

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: P1505037

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505037
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 (3500K_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

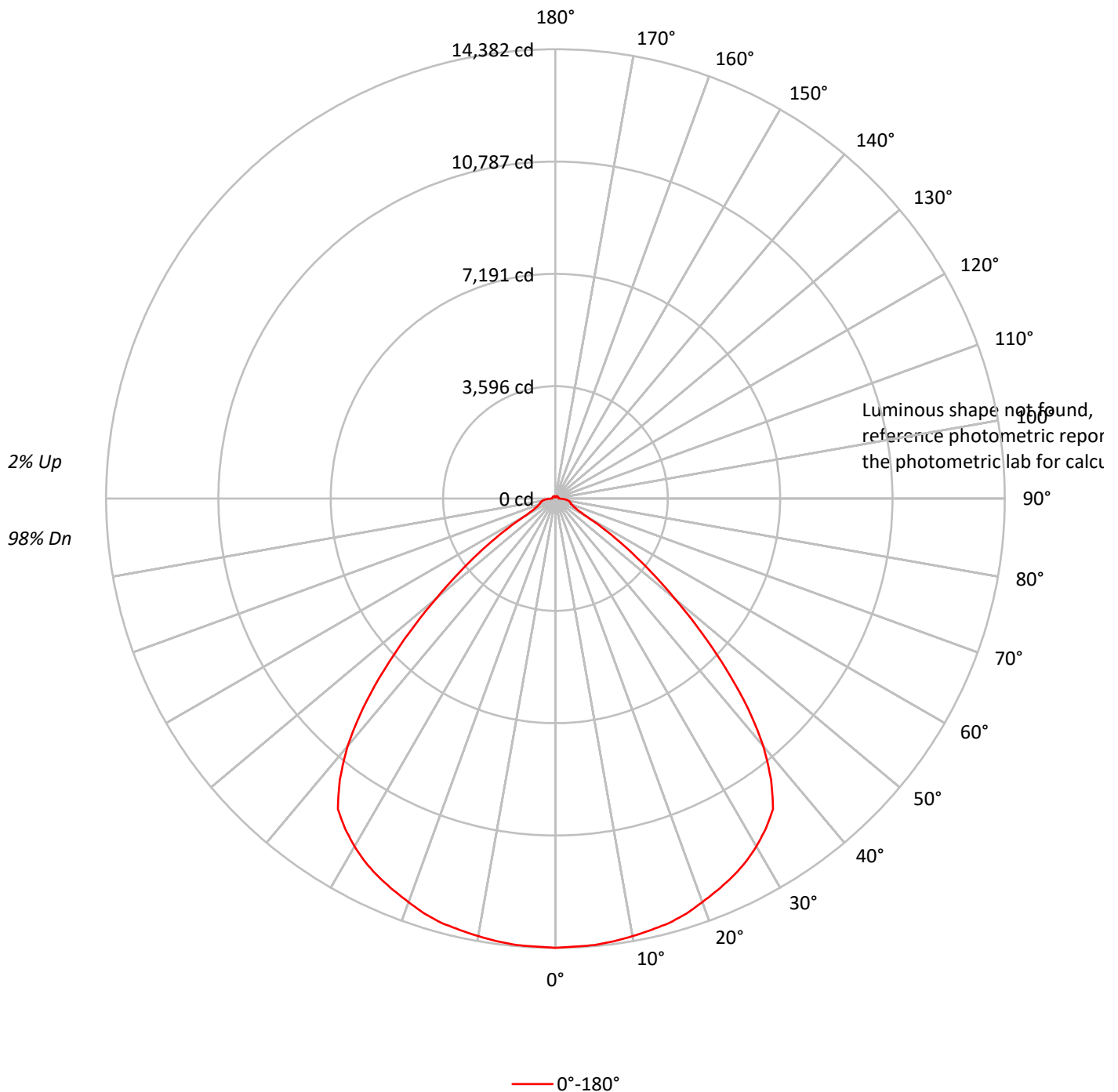
Lumens per Lamp: N/A
Luminaire Lumens: 29595.0 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 196.7
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



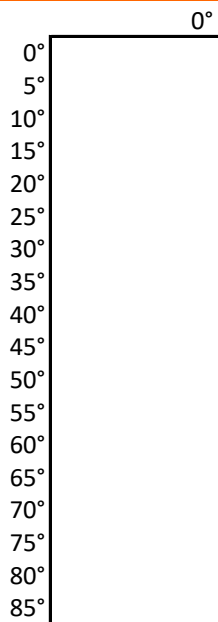
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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°	1365.3	4.6
10°-20°	3970.9	13.4
20°-30°	6165.9	20.8
30°-40°	7446.9	25.2
40°-50°	5919.8	20.0
50°-60°	2590.4	8.8
60°-70°	728.0	2.5
70°-80°	520.5	1.8
80°-90°	314.2	1.1
90°-100°	108.1	0.4
100°-110°	104.6	0.4
110°-120°	96.2	0.3
120°-130°	83.6	0.3
130°-140°	69.2	0.2
140°-150°	55.1	0.2
150°-160°	35.8	0.1
160°-170°	16.2	0.1
170°-180°	4.1	0.0
0°-30°	11502.1	38.9
0°-40°	18949.0	64.0
0°-60°	27459.2	92.8
0°-90°	29022.0	98.1
90°-120°	309.0	1.0
90°-150°	516.9	1.7
90°-180°	573.0	1.9
0°-180°	29595.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14382	
5°	14347	###
15°	14064	3971
25°	13374	6166
35°	12140	7447
45°	7740	5920
55°	2848	2590
65°	688	728
75°	494	520
85°	304	272
90°	106	71
95°	98	80
105°	99	105
115°	97	96
125°	93	84
135°	89	69
145°	88	55
155°	76	36
165°	55	16
175°	41	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14381.7
2.5°	14355.3
5°	14347.4
7.5°	14296.5
10°	14222.0
12.5°	14145.5
15°	14064.2
17.5°	13932.8
20°	13745.6
22.5°	13565.3
25°	13374.1
27.5°	13144.8
30°	12858.6
32.5°	12529.3
35°	12140.1
37.5°	11334.4
40°	10351.4
42.5°	9138.9
45°	7740.2
47.5°	6326.9
50°	4985.0
52.5°	3841.2
55°	2848.3
57.5°	1947.6
60°	1132.1
62.5°	819.4
65°	688.1
67.5°	600.8
70°	545.9
72.5°	518.5
75°	494.0
77.5°	469.5
80°	429.3
82.5°	376.4
85°	303.8
87.5°	205.8
90°	105.9
92.5°	97.0
95°	98.0
97.5°	99.0
100°	99.0
102.5°	99.0
105°	99.0
107.5°	99.0
110°	98.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	98.0
115°	97.0
117.5°	96.1
120°	95.1
122.5°	94.1
125°	93.1
127.5°	92.1
130°	91.2
132.5°	90.2
135°	89.2
137.5°	88.2
140°	88.2
142.5°	88.2
145°	88.2
147.5°	87.2
150°	86.3
152.5°	82.3
155°	76.5
157.5°	71.6
160°	66.7
162.5°	60.8
165°	54.9
167.5°	51.9
170°	47.0
172.5°	44.1
175°	41.2
177.5°	40.2
180°	40.2

(END OF REPORT)