

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: P1505415

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505415
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-102)
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-B-04-TRWH-PS (5000K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

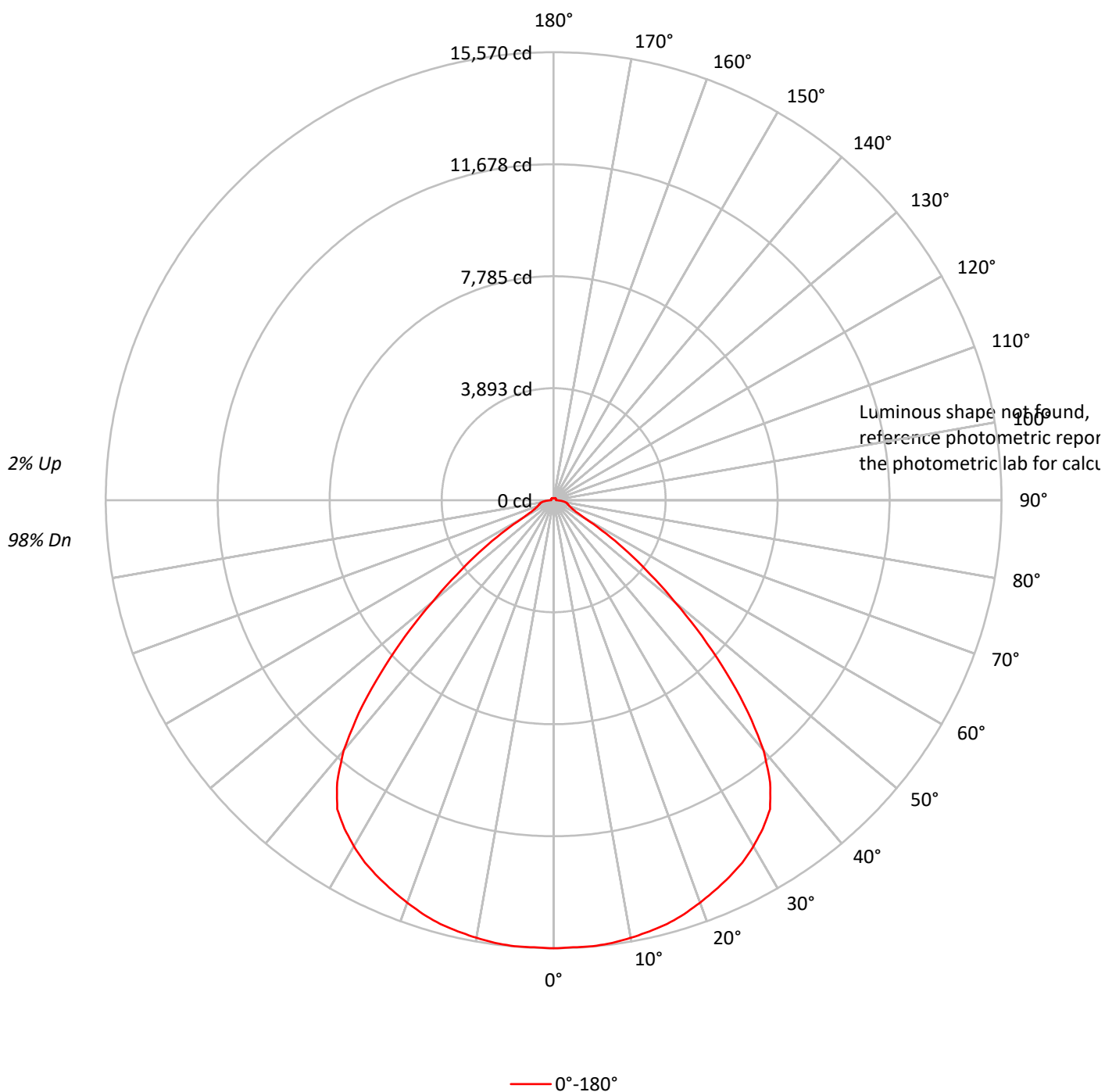
Lumens per Lamp: N/A
Luminaire Lumens: 32069.9 lumens
Efficiency: N/A
Efficacy: 164.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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



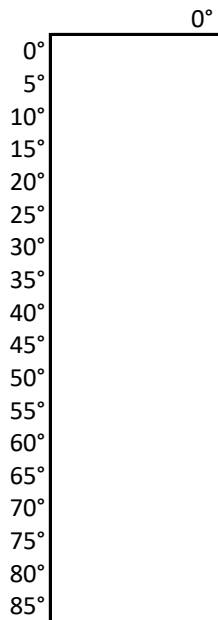
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					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	93	93	91	90			88
2	103	97	91	87	101	95	90	86	91	87	84	88	84	81	85	82	79			77
3	96	87	81	76	93	86	80	75	83	78	73	80	76	72	77	74	71			69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	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	60	55	51			49
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	55	50	46			44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	42			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°	1481.4	4.6
10°-20°	4303.7	13.4
20°-30°	6663.9	20.8
30°-40°	8077.2	25.2
40°-50°	6511.4	20.3
50°-60°	2868.9	8.9
60°-70°	782.1	2.4
70°-80°	536.7	1.7
80°-90°	295.0	0.9
90°-100°	95.6	0.3
100°-110°	95.9	0.3
110°-120°	90.1	0.3
120°-130°	80.7	0.3
130°-140°	68.7	0.2
140°-150°	55.7	0.2
150°-160°	38.0	0.1
160°-170°	19.4	0.1
170°-180°	5.7	0.0
0°-30°	12449.0	38.8
0°-40°	20526.1	64.0
0°-60°	29906.4	93.3
0°-90°	31520.2	98.3
90°-120°	281.5	0.9
90°-150°	486.6	1.5
90°-180°	550.0	1.7
0°-180°	32069.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15570	
5°	15558	###
15°	15247	4304
25°	14447	6664
35°	13112	8077
45°	8518	6511
55°	3166	2869
65°	734	782
75°	511	537
85°	280	258
90°	86	60
95°	88	72
105°	91	96
115°	91	90
125°	90	81
135°	88	69
145°	88	56
155°	81	38
165°	67	19
175°	59	6
180°	59	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15570.3
2.5°	15551.4
5°	15557.7
7.5°	15522.9
10°	15442.8
12.5°	15350.1
15°	15246.8
17.5°	15081.4
20°	14883.2
22.5°	14669.3
25°	14447.0
27.5°	14199.3
30°	13889.5
32.5°	13530.1
35°	13111.8
37.5°	12360.4
40°	11349.8
42.5°	10011.4
45°	8518.1
47.5°	6993.2
50°	5512.6
52.5°	4238.5
55°	3165.7
57.5°	2155.1
60°	1273.0
62.5°	871.5
65°	734.5
67.5°	637.6
70°	574.3
72.5°	541.7
75°	511.1
77.5°	477.4
80°	427.9
82.5°	364.6
85°	280.3
87.5°	181.3
90°	86.4
92.5°	86.4
95°	87.5
97.5°	88.5
100°	89.6
102.5°	90.6
105°	90.6
107.5°	90.6
110°	91.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	90.6
115°	90.6
117.5°	90.6
120°	90.6
122.5°	90.6
125°	89.6
127.5°	89.6
130°	89.6
132.5°	88.5
135°	88.5
137.5°	88.5
140°	88.5
142.5°	88.5
145°	88.5
147.5°	88.5
150°	89.6
152.5°	85.4
155°	81.1
157.5°	78.0
160°	74.8
162.5°	71.7
165°	67.4
167.5°	64.3
170°	61.1
172.5°	59.0
175°	59.0
177.5°	59.0
180°	59.0

(END OF REPORT)