

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: P1505343

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505343
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)
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-CLER-PS (3000K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

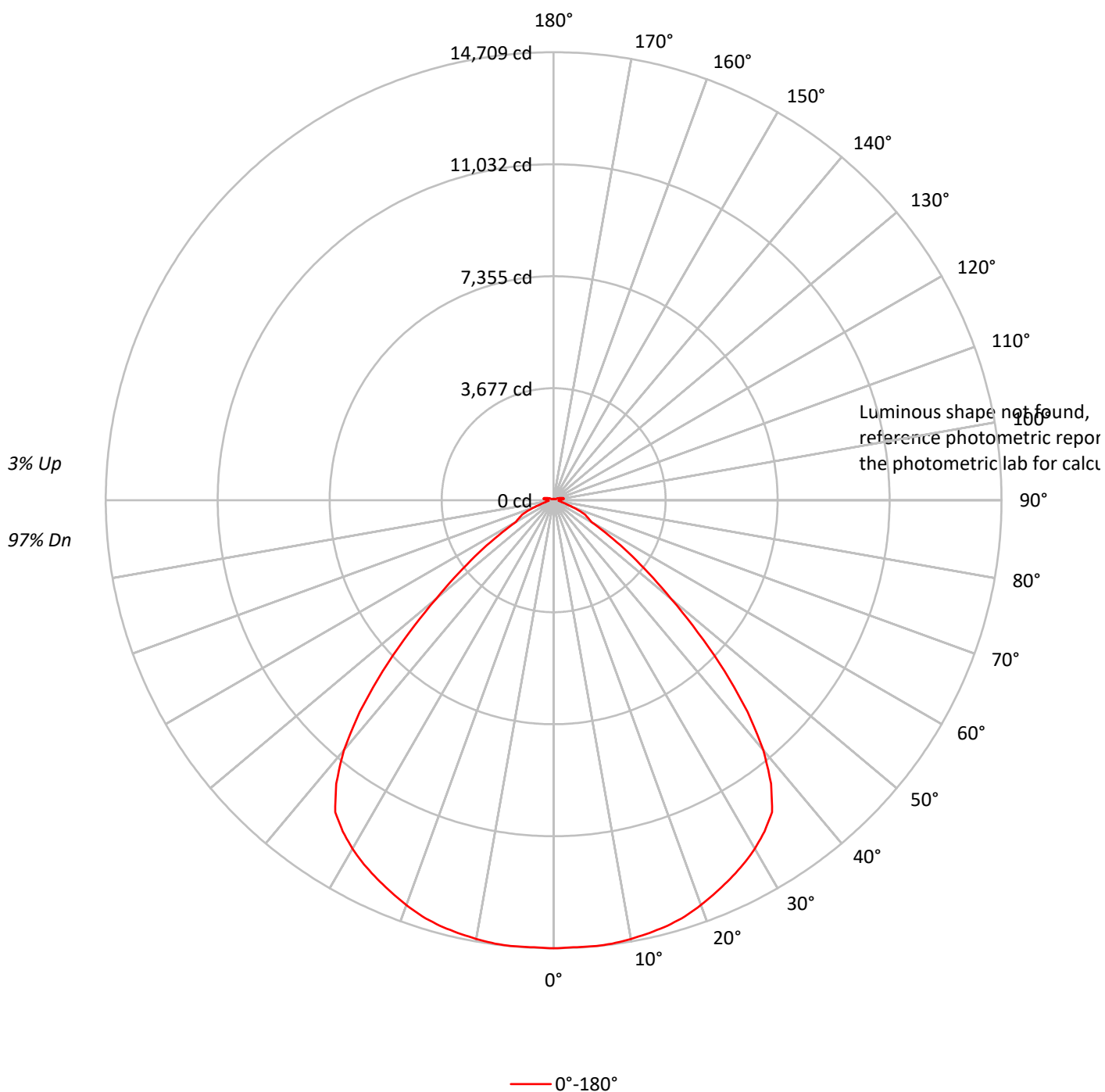
Lumens per Lamp: N/A
Luminaire Lumens: 30919.8 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 199.4
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



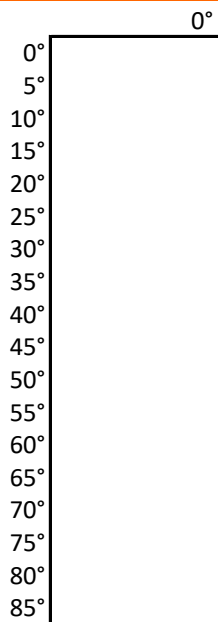
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1401.2	4.5
10°-20°	4084.0	13.2
20°-30°	6330.1	20.5
30°-40°	7678.7	24.8
40°-50°	6068.2	19.6
50°-60°	2724.5	8.8
60°-70°	1099.7	3.6
70°-80°	409.1	1.3
80°-90°	193.9	0.6
90°-100°	308.8	1.0
100°-110°	302.8	1.0
110°-120°	142.2	0.5
120°-130°	59.2	0.2
130°-140°	42.4	0.1
140°-150°	34.1	0.1
150°-160°	23.6	0.1
160°-170°	13.3	0.0
170°-180°	4.1	0.0
0°-30°	11815.2	38.2
0°-40°	19494.0	63.0
0°-60°	28286.7	91.5
0°-90°	29989.3	97.0
90°-120°	753.8	2.4
90°-150°	889.5	2.9
90°-180°	931.0	3.0
0°-180°	30919.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14709	
5°	14702	###
15°	14461	4084
25°	13718	6330
35°	12505	7679
45°	7933	6068
55°	2984	2725
65°	1156	1100
75°	348	409
85°	162	145
90°	193	109
95°	295	249
105°	292	303
115°	138	142
125°	63	59
135°	55	42
145°	54	34
155°	51	24
165°	47	13
175°	44	4
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14708.8
2.5°	14693.9
5°	14701.9
7.5°	14688.0
10°	14623.4
12.5°	14550.0
15°	14460.6
17.5°	14329.5
20°	14143.9
22.5°	13933.4
25°	13717.9
27.5°	13481.6
30°	13212.5
32.5°	12888.8
35°	12504.6
37.5°	11726.2
40°	10713.4
42.5°	9423.6
45°	7933.3
47.5°	6427.0
50°	5036.0
52.5°	3918.0
55°	2983.7
57.5°	2141.7
60°	1445.7
62.5°	1278.9
65°	1155.7
67.5°	944.2
70°	696.0
72.5°	480.6
75°	347.5
77.5°	270.1
80°	214.5
82.5°	178.7
85°	161.8
87.5°	166.8
90°	192.6
92.5°	243.3
95°	294.9
97.5°	329.6
100°	337.6
102.5°	321.7
105°	291.9
107.5°	254.2
110°	212.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	173.8
115°	138.0
117.5°	108.2
120°	87.4
122.5°	72.5
125°	62.6
127.5°	56.6
130°	54.6
132.5°	53.6
135°	54.6
137.5°	55.6
140°	55.6
142.5°	55.6
145°	53.6
147.5°	53.6
150°	52.6
152.5°	51.6
155°	50.6
157.5°	50.6
160°	49.6
162.5°	48.7
165°	46.7
167.5°	44.7
170°	42.7
172.5°	42.7
175°	43.7
177.5°	44.7
180°	44.7

(END OF REPORT)