

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: P1505365

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505365
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-95)
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 (5000K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

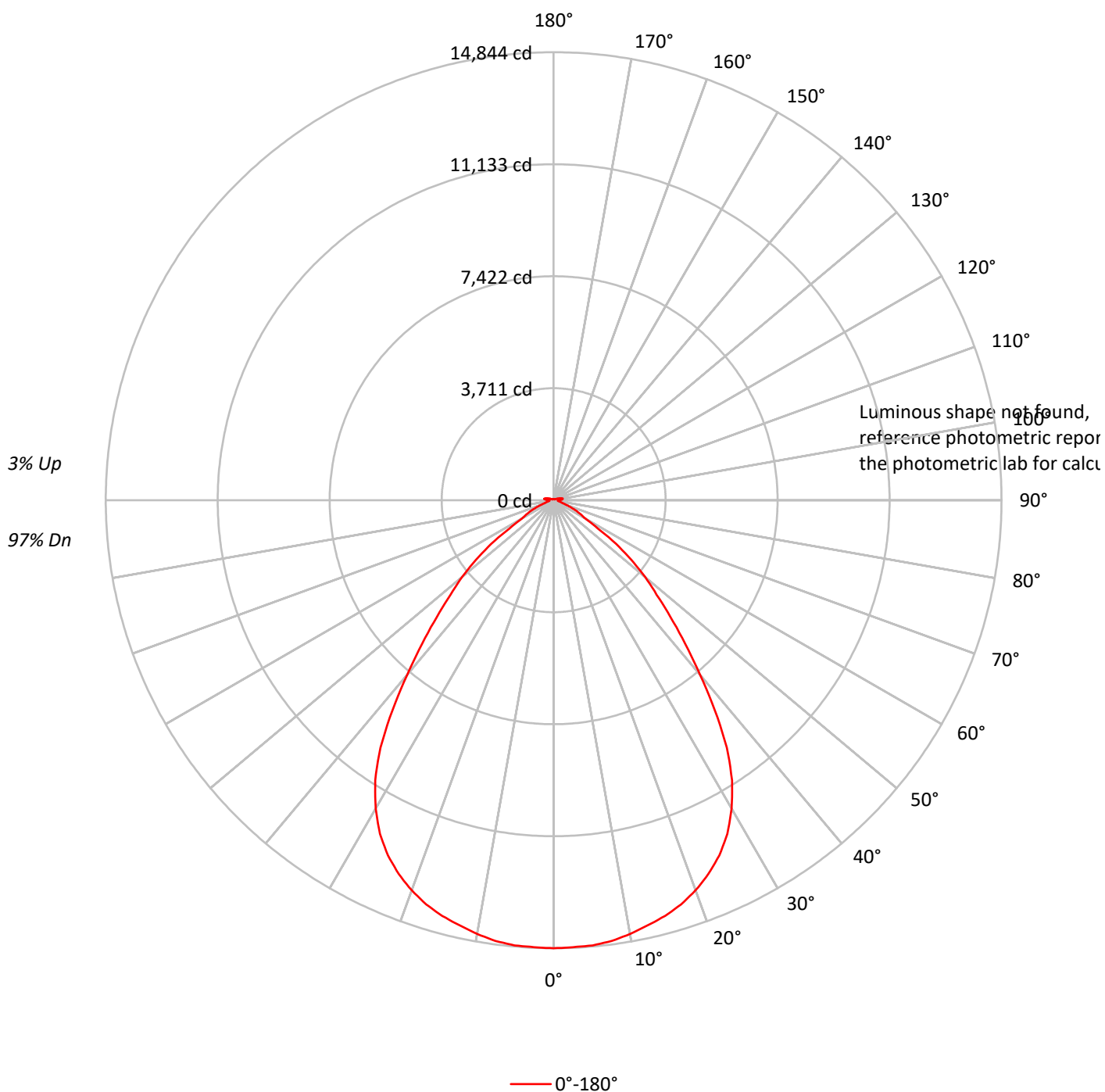
Lumens per Lamp: N/A
Luminaire Lumens: 26099.7 lumens
Efficiency: N/A
Efficacy: 166.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 156.4
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





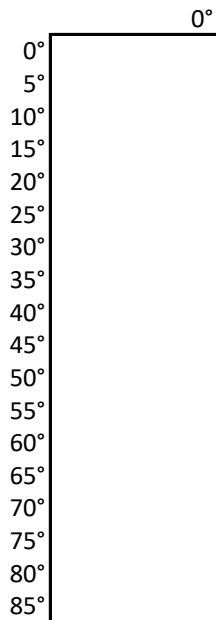
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97			
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87			
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	78			
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	77	74	71	69			
4	90	80	73	68	88	79	72	67	76	70	66	74	69	65	71	67	64	62			
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	56			
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50			
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46			
8	69	57	50	45	67	56	49	45	55	49	44	53	48	44	52	47	43	42			
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38			
10	61	49	42	38	60	49	42	37	47	41	37	46	41	37	45	40	37	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°	1406.4	5.4
10°-20°	4020.5	15.4
20°-30°	5948.4	22.8
30°-40°	6145.0	23.5
40°-50°	4278.9	16.4
50°-60°	2237.2	8.6
60°-70°	808.0	3.1
70°-80°	276.8	1.1
80°-90°	167.0	0.6
90°-100°	293.0	1.1
100°-110°	266.3	1.0
110°-120°	115.9	0.4
120°-130°	45.9	0.2
130°-140°	32.0	0.1
140°-150°	26.1	0.1
150°-160°	18.6	0.1
160°-170°	10.5	0.0
170°-180°	3.3	0.0
0°-30°	11375.2	43.6
0°-40°	17520.2	67.1
0°-60°	24036.2	92.1
0°-90°	25288.1	96.9
90°-120°	675.2	2.6
90°-150°	779.2	3.0
90°-180°	812.0	3.1
0°-180°	26099.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14844	
5°	14805	###
15°	14257	4020
25°	12987	5948
35°	10008	6145
45°	5468	4279
55°	2530	2237
65°	824	808
75°	241	277
85°	140	120
90°	187	105
95°	282	235
105°	255	266
115°	111	116
125°	49	46
135°	41	32
145°	42	26
155°	40	19
165°	36	10
175°	36	3
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14844.3
2.5°	14820.9
5°	14805.2
7.5°	14729.7
10°	14591.6
12.5°	14426.6
15°	14257.2
17.5°	14041.0
20°	13754.4
22.5°	13405.2
25°	12986.6
27.5°	12462.9
30°	11796.8
32.5°	11003.8
35°	10007.7
37.5°	8777.0
40°	7555.0
42.5°	6445.1
45°	5468.0
47.5°	4631.7
50°	3950.8
52.5°	3243.0
55°	2529.9
57.5°	1737.0
60°	1196.8
62.5°	1022.2
65°	824.2
67.5°	613.2
70°	436.0
72.5°	314.4
75°	240.6
77.5°	196.3
80°	162.4
82.5°	142.4
85°	139.8
87.5°	155.5
90°	186.7
92.5°	235.4
95°	282.3
97.5°	309.2
100°	309.2
102.5°	287.5
105°	255.3
107.5°	218.0
110°	178.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	142.4
115°	111.2
117.5°	86.8
120°	68.6
122.5°	56.5
125°	48.6
127.5°	43.4
130°	41.7
132.5°	40.8
135°	40.8
137.5°	41.7
140°	42.6
142.5°	41.7
145°	41.7
147.5°	40.8
150°	40.8
152.5°	40.8
155°	40.0
157.5°	40.0
160°	39.1
162.5°	38.2
165°	36.5
167.5°	35.6
170°	34.7
172.5°	34.7
175°	35.6
177.5°	35.6
180°	36.5

(END OF REPORT)