

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: P1504979

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504979
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-82)
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-CLER-PS (3000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

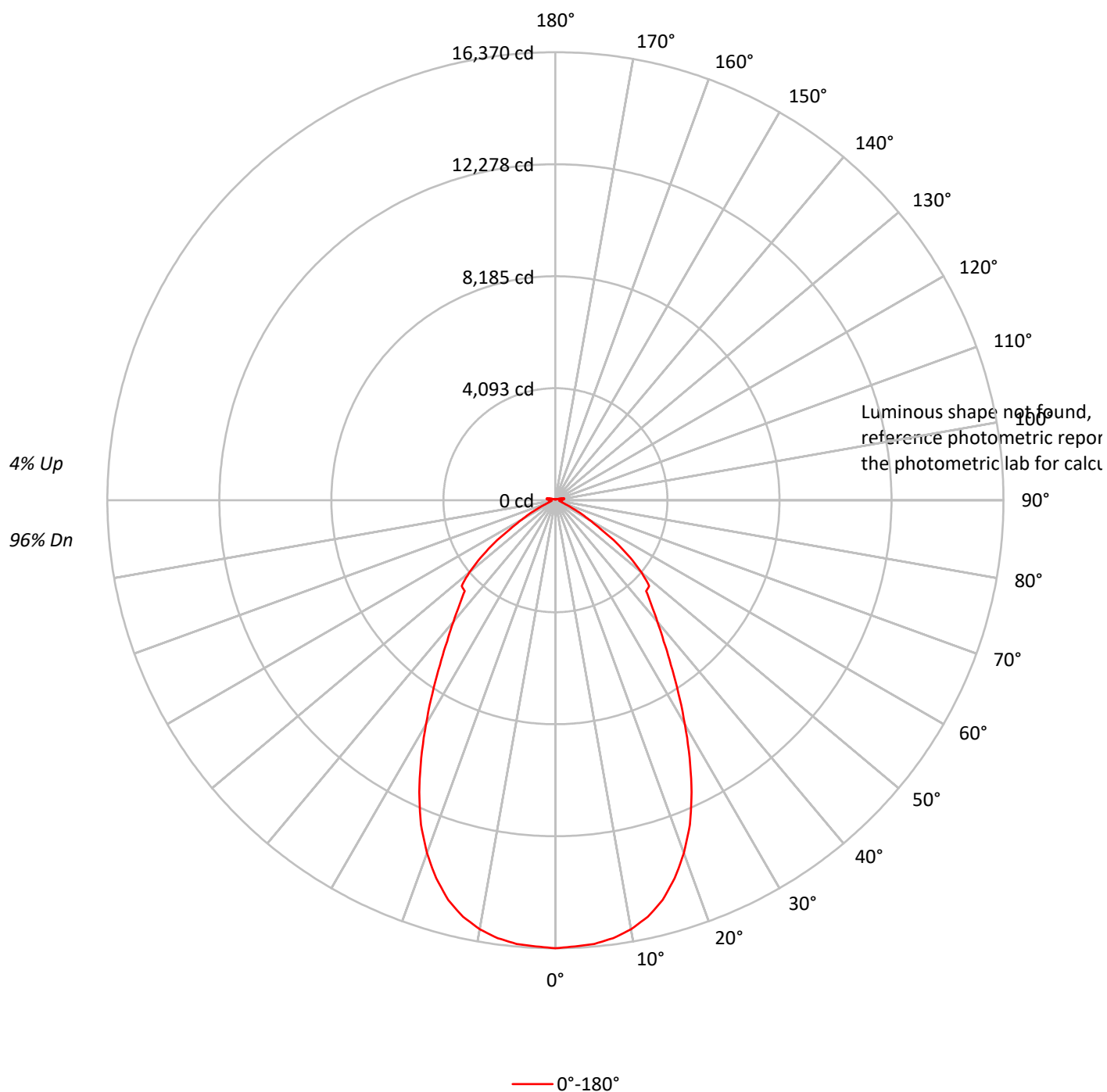
Lumens per Lamp: N/A
Luminaire Lumens: 23927.0 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.4
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



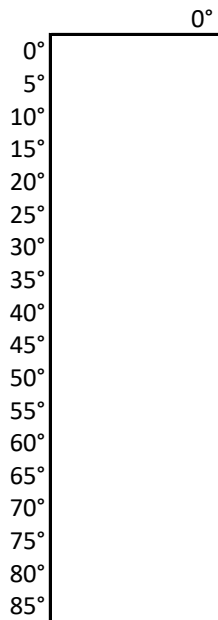
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	98	96		96	94	92		92	90	89
2	103	97	92	88	101	95	90	87		91	87	84		88	84	82		84	82	79
3	96	88	82	77	94	87	81	76		83	78	74		80	76	73		77	74	71
4	90	80	74	68	88	79	73	68		76	71	66		74	69	65		71	67	64
5	84	74	66	61	82	72	66	61		70	64	60		68	63	59		66	61	58
6	79	68	60	55	77	67	60	55		65	59	54		63	57	53		61	56	53
7	74	62	55	50	72	62	55	50		60	54	49		58	53	49		57	52	48
8	69	58	51	46	68	57	50	46		56	49	45		54	49	45		53	48	44
9	65	54	47	42	64	53	46	42		52	46	42		51	45	41		49	44	41
10	62	50	43	39	60	50	43	39		49	43	38		47	42	38		46	41	38

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
 Vertical Angle: -
 Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1542.0	6.4
10°-20°	4220.8	17.6
20°-30°	5356.9	22.4
30°-40°	4641.1	19.4
40°-50°	3755.0	15.7
50°-60°	2418.1	10.1
60°-70°	743.0	3.1
70°-80°	239.1	1.0
80°-90°	171.1	0.7
90°-100°	300.8	1.3
100°-110°	286.2	1.2
110°-120°	121.5	0.5
120°-130°	45.5	0.2
130°-140°	29.8	0.1
140°-150°	25.0	0.1
150°-160°	18.0	0.1
160°-170°	10.0	0.0
170°-180°	3.1	0.0
0°-30°	11119.6	46.5
0°-40°	15760.7	65.9
0°-60°	21933.8	91.7
0°-90°	23087.1	96.5
90°-120°	708.5	3.0
90°-150°	808.9	3.4
90°-180°	840.0	3.5
0°-180°	23927.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16370	
5°	16275	###
15°	15121	4221
25°	11770	5357
35°	7350	4641
45°	4688	3755
55°	2729	2418
65°	686	743
75°	222	239
85°	143	122
90°	195	109
95°	286	241
105°	277	286
115°	116	122
125°	48	46
135°	38	30
145°	40	25
155°	39	18
165°	35	10
175°	32	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16369.7
2.5°	16319.4
5°	16274.8
7.5°	16138.7
10°	15916.8
12.5°	15590.9
15°	15120.7
17.5°	14479.6
20°	13718.2
22.5°	12828.0
25°	11770.3
27.5°	10614.5
30°	9455.4
32.5°	8366.4
35°	7350.0
37.5°	6498.6
40°	5794.0
42.5°	5186.8
45°	4688.5
47.5°	4647.2
50°	4107.7
52.5°	3447.7
55°	2729.1
57.5°	1952.8
60°	1410.8
62.5°	1037.9
65°	685.6
67.5°	438.1
70°	312.7
72.5°	254.1
75°	221.9
77.5°	192.2
80°	163.4
82.5°	143.6
85°	142.7
87.5°	161.7
90°	194.7
92.5°	240.9
95°	285.5
97.5°	316.8
100°	325.9
102.5°	310.2
105°	277.2
107.5°	234.3
110°	190.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	150.2
115°	116.3
117.5°	89.9
120°	70.1
122.5°	56.9
125°	47.9
127.5°	42.1
130°	39.6
132.5°	38.0
135°	38.0
137.5°	38.8
140°	38.8
142.5°	39.6
145°	39.6
147.5°	40.4
150°	40.4
152.5°	39.6
155°	38.8
157.5°	38.0
160°	37.1
162.5°	36.3
165°	34.7
167.5°	33.8
170°	33.0
172.5°	32.2
175°	32.2
177.5°	31.4
180°	31.4

(END OF REPORT)