

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: P1504997

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (4000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504997
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 (4000K_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

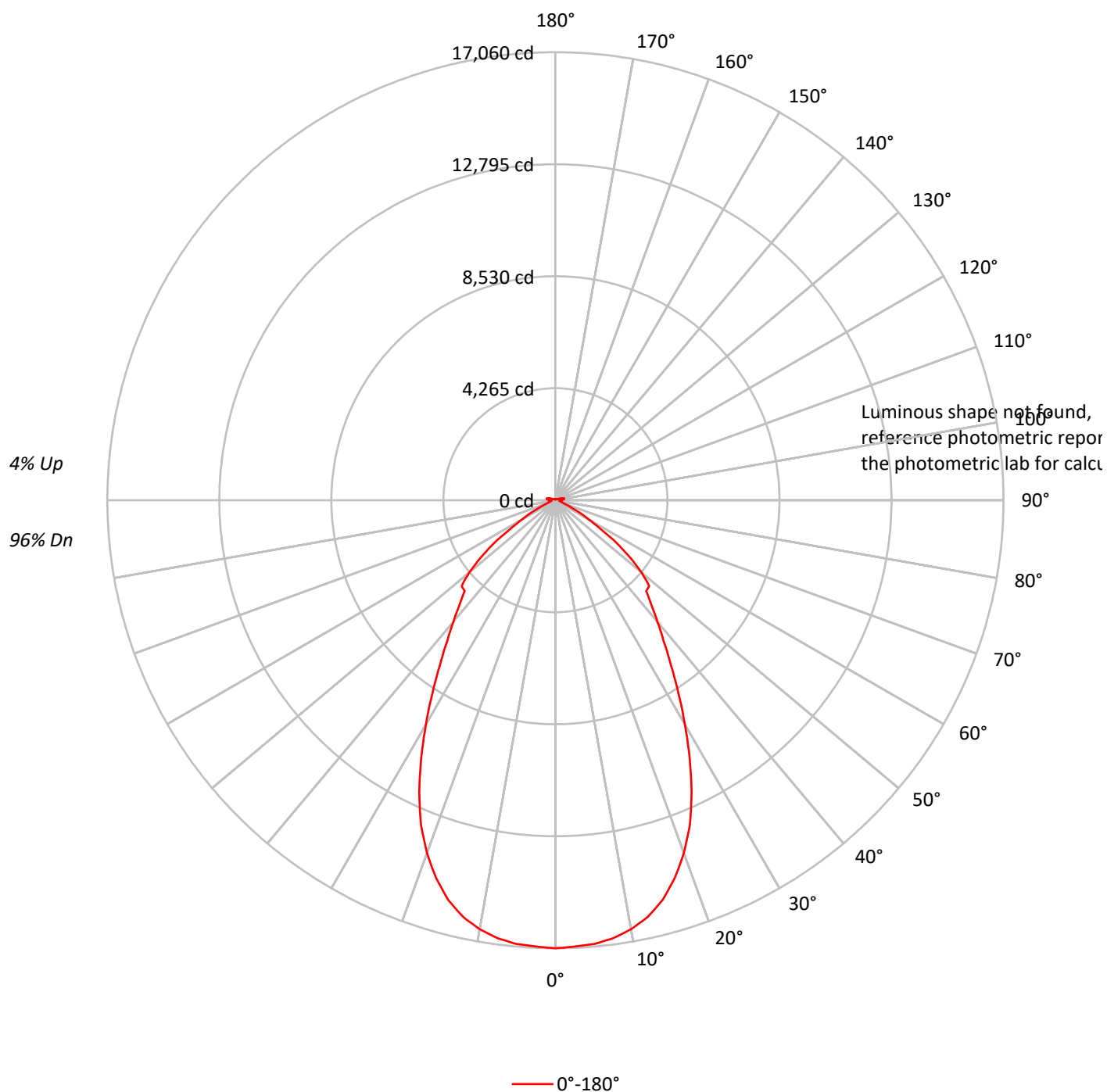
Lumens per Lamp: N/A
Luminaire Lumens: 24936.5 lumens
Efficiency: N/A
Efficacy: 160.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 155.7
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





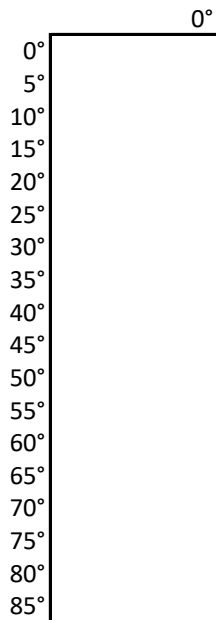
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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	96		
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	87	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1607.1	6.4
10°-20°	4398.9	17.6
20°-30°	5582.9	22.4
30°-40°	4836.9	19.4
40°-50°	3913.4	15.7
50°-60°	2520.2	10.1
60°-70°	774.3	3.1
70°-80°	249.2	1.0
80°-90°	178.2	0.7
90°-100°	313.5	1.3
100°-110°	298.2	1.2
110°-120°	126.7	0.5
120°-130°	47.4	0.2
130°-140°	31.1	0.1
140°-150°	26.0	0.1
150°-160°	18.8	0.1
160°-170°	10.4	0.0
170°-180°	3.2	0.0
0°-30°	11588.9	46.5
0°-40°	16425.8	65.9
0°-60°	22859.4	91.7
0°-90°	24061.2	96.5
90°-120°	738.4	3.0
90°-150°	843.0	3.4
90°-180°	875.0	3.5
0°-180°	24936.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17060	
5°	16962	###
15°	15759	4399
25°	12267	5583
35°	7660	4837
45°	4886	3913
55°	2844	2520
65°	714	774
75°	231	249
85°	149	127
90°	203	113
95°	298	251
105°	289	298
115°	121	127
125°	50	47
135°	40	31
145°	41	26
155°	40	19
165°	36	10
175°	34	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17060.5
2.5°	17008.0
5°	16961.6
7.5°	16819.7
10°	16588.4
12.5°	16248.8
15°	15758.7
17.5°	15090.6
20°	14297.0
22.5°	13369.3
25°	12267.0
27.5°	11062.4
30°	9854.3
32.5°	8719.4
35°	7660.1
37.5°	6772.8
40°	6038.5
42.5°	5405.7
45°	4886.3
47.5°	4843.3
50°	4281.0
52.5°	3593.2
55°	2844.3
57.5°	2035.2
60°	1470.3
62.5°	1081.6
65°	714.5
67.5°	456.6
70°	325.9
72.5°	264.8
75°	231.3
77.5°	200.3
80°	170.2
82.5°	149.6
85°	148.7
87.5°	168.5
90°	202.9
92.5°	251.1
95°	297.5
97.5°	330.2
100°	339.6
102.5°	323.3
105°	288.9
107.5°	244.2
110°	198.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	156.5
115°	121.2
117.5°	93.7
120°	73.1
122.5°	59.3
125°	49.9
127.5°	43.9
130°	41.3
132.5°	39.6
135°	39.6
137.5°	40.4
140°	40.4
142.5°	41.3
145°	41.3
147.5°	42.1
150°	42.1
152.5°	41.3
155°	40.4
157.5°	39.6
160°	38.7
162.5°	37.8
165°	36.1
167.5°	35.3
170°	34.4
172.5°	33.5
175°	33.5
177.5°	32.7
180°	32.7

(END OF REPORT)