

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: P1505186

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505186
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-106)
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-06-CLER-PS (5000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

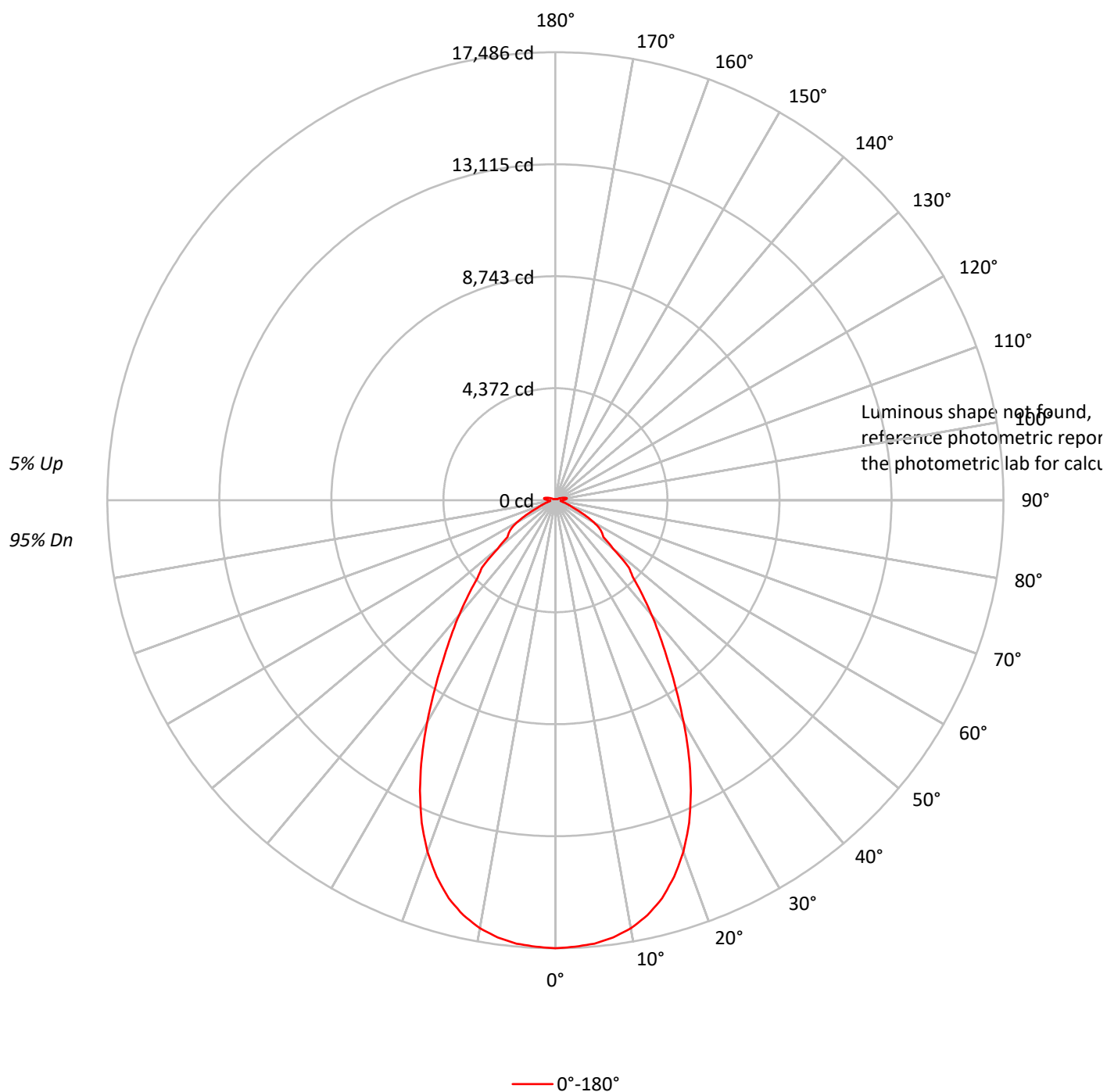
Lumens per Lamp: N/A
Luminaire Lumens: 24902.5 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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			
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	108	108	108	103	103	103	98	98	98	95		
1	110	107	104	101	107	104	101	99	99	97	95	95	93	91	90	89	87	85		
2	103	97	91	87	100	95	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	82	76	93	86	80	76	83	78	74	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	61		
5	84	74	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	56		
6	79	68	60	55	77	67	60	55	64	58	54	63	57	53	61	56	52	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1645.2	6.6
10°-20°	4491.4	18.0
20°-30°	5691.9	22.9
30°-40°	4820.5	19.4
40°-50°	3379.9	13.6
50°-60°	1999.8	8.0
60°-70°	1052.5	4.2
70°-80°	395.1	1.6
80°-90°	239.9	1.0
90°-100°	423.3	1.7
100°-110°	387.4	1.6
110°-120°	170.8	0.7
120°-130°	71.2	0.3
130°-140°	49.8	0.2
140°-150°	38.8	0.2
150°-160°	26.9	0.1
160°-170°	14.0	0.1
170°-180°	4.0	0.0
0°-30°	11828.5	47.5
0°-40°	16648.9	66.9
0°-60°	22028.7	88.5
0°-90°	23716.3	95.2
90°-120°	981.5	3.9
90°-150°	1141.4	4.6
90°-180°	1186.0	4.8
0°-180°	24902.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17486	
5°	17375	###
15°	16083	4491
25°	12512	5692
35°	7647	4820
45°	4298	3380
55°	2228	2000
65°	1014	1053
75°	366	395
85°	202	171
90°	275	153
95°	403	339
105°	370	387
115°	164	171
125°	76	71
135°	64	50
145°	62	39
155°	58	27
165°	49	14
175°	41	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17486.3
2.5°	17440.3
5°	17375.1
7.5°	17210.1
10°	16963.5
12.5°	16593.5
15°	16082.8
17.5°	15404.5
20°	14596.8
22.5°	13632.8
25°	12511.5
27.5°	11287.8
30°	9999.9
32.5°	8764.9
35°	7647.1
37.5°	6690.9
40°	5831.1
42.5°	5032.1
45°	4298.2
47.5°	3885.6
50°	2940.7
52.5°	2353.6
55°	2227.7
57.5°	2029.7
60°	1744.8
62.5°	1368.7
65°	1013.5
67.5°	736.5
70°	562.8
72.5°	454.2
75°	366.5
77.5°	284.0
80°	225.8
82.5°	198.9
85°	201.5
87.5°	228.4
90°	275.3
92.5°	339.6
95°	403.0
97.5°	446.4
100°	452.5
102.5°	419.5
105°	370.0
107.5°	316.1
110°	259.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	208.4
115°	164.1
117.5°	129.4
120°	105.1
122.5°	86.8
125°	75.6
127.5°	68.6
130°	65.1
132.5°	64.3
135°	64.3
137.5°	64.3
140°	63.4
142.5°	62.5
145°	61.7
147.5°	60.8
150°	60.8
152.5°	59.1
155°	58.2
157.5°	56.5
160°	54.7
162.5°	51.2
165°	48.6
167.5°	46.0
170°	43.4
172.5°	42.6
175°	40.8
177.5°	40.8
180°	40.8

(END OF REPORT)