

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: P1505195

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505195
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 (6500K_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

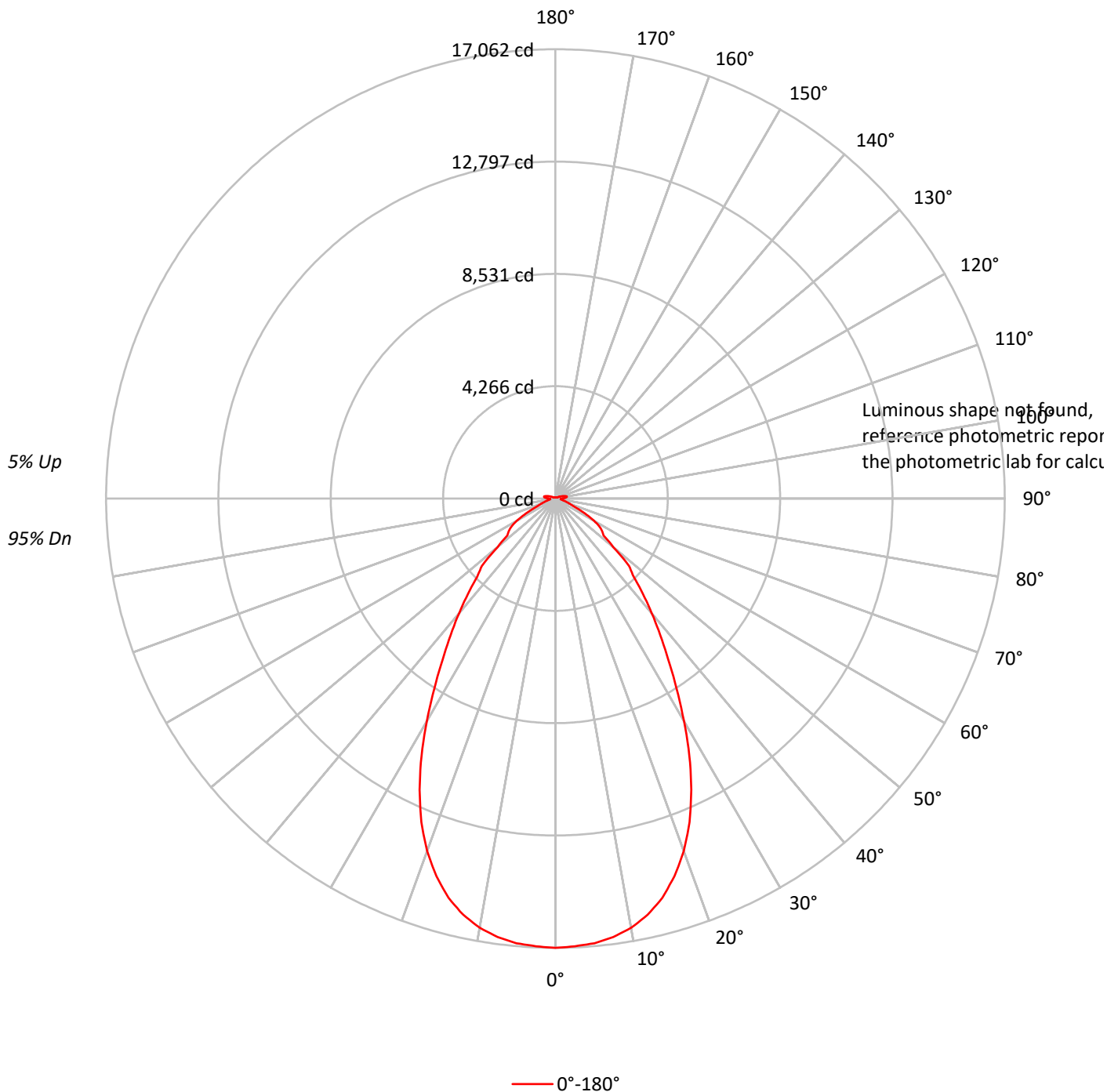
Lumens per Lamp: N/A
Luminaire Lumens: 24297.9 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.8
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





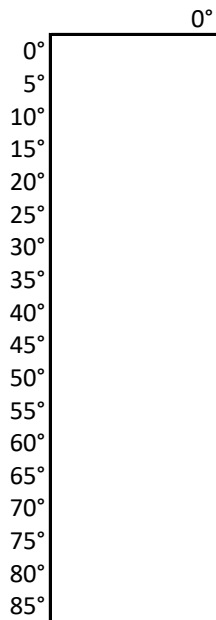
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1605.2	6.6
10°-20°	4382.4	18.0
20°-30°	5553.7	22.9
30°-40°	4703.4	19.4
40°-50°	3297.8	13.6
50°-60°	1951.3	8.0
60°-70°	1027.0	4.2
70°-80°	385.5	1.6
80°-90°	234.1	1.0
90°-100°	413.0	1.7
100°-110°	378.0	1.6
110°-120°	166.7	0.7
120°-130°	69.5	0.3
130°-140°	48.6	0.2
140°-150°	37.9	0.2
150°-160°	26.2	0.1
160°-170°	13.6	0.1
170°-180°	3.9	0.0
0°-30°	11541.3	47.5
0°-40°	16244.7	66.9
0°-60°	21493.8	88.5
0°-90°	23140.4	95.2
90°-120°	957.7	3.9
90°-150°	1113.7	4.6
90°-180°	1157.0	4.8
0°-180°	24297.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17062	
5°	16953	###
15°	15692	4382
25°	12208	5554
35°	7461	4703
45°	4194	3298
55°	2174	1951
65°	989	1027
75°	358	386
85°	197	167
90°	269	150
95°	393	331
105°	361	378
115°	160	167
125°	74	69
135°	63	49
145°	60	38
155°	57	26
165°	48	14
175°	40	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17061.8
2.5°	17016.8
5°	16953.3
7.5°	16792.3
10°	16551.6
12.5°	16190.6
15°	15692.3
17.5°	15030.5
20°	14242.4
22.5°	13301.8
25°	12207.8
27.5°	11013.8
30°	9757.1
32.5°	8552.1
35°	7461.4
37.5°	6528.4
40°	5689.5
42.5°	4909.9
45°	4193.8
47.5°	3791.3
50°	2869.3
52.5°	2296.5
55°	2173.6
57.5°	1980.4
60°	1702.4
62.5°	1335.5
65°	988.9
67.5°	718.6
70°	549.1
72.5°	443.2
75°	357.6
77.5°	277.1
80°	220.3
82.5°	194.1
85°	196.6
87.5°	222.9
90°	268.6
92.5°	331.3
95°	393.2
97.5°	435.6
100°	441.5
102.5°	409.3
105°	361.0
107.5°	308.5
110°	253.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	203.4
115°	160.2
117.5°	126.3
120°	102.5
122.5°	84.7
125°	73.7
127.5°	66.9
130°	63.6
132.5°	62.7
135°	62.7
137.5°	62.7
140°	61.9
142.5°	61.0
145°	60.2
147.5°	59.3
150°	59.3
152.5°	57.6
155°	56.8
157.5°	55.1
160°	53.4
162.5°	50.0
165°	47.5
167.5°	44.9
170°	42.4
172.5°	41.5
175°	39.8
177.5°	39.8
180°	39.8

(END OF REPORT)