

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: P1505187

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505187
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-108)
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_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

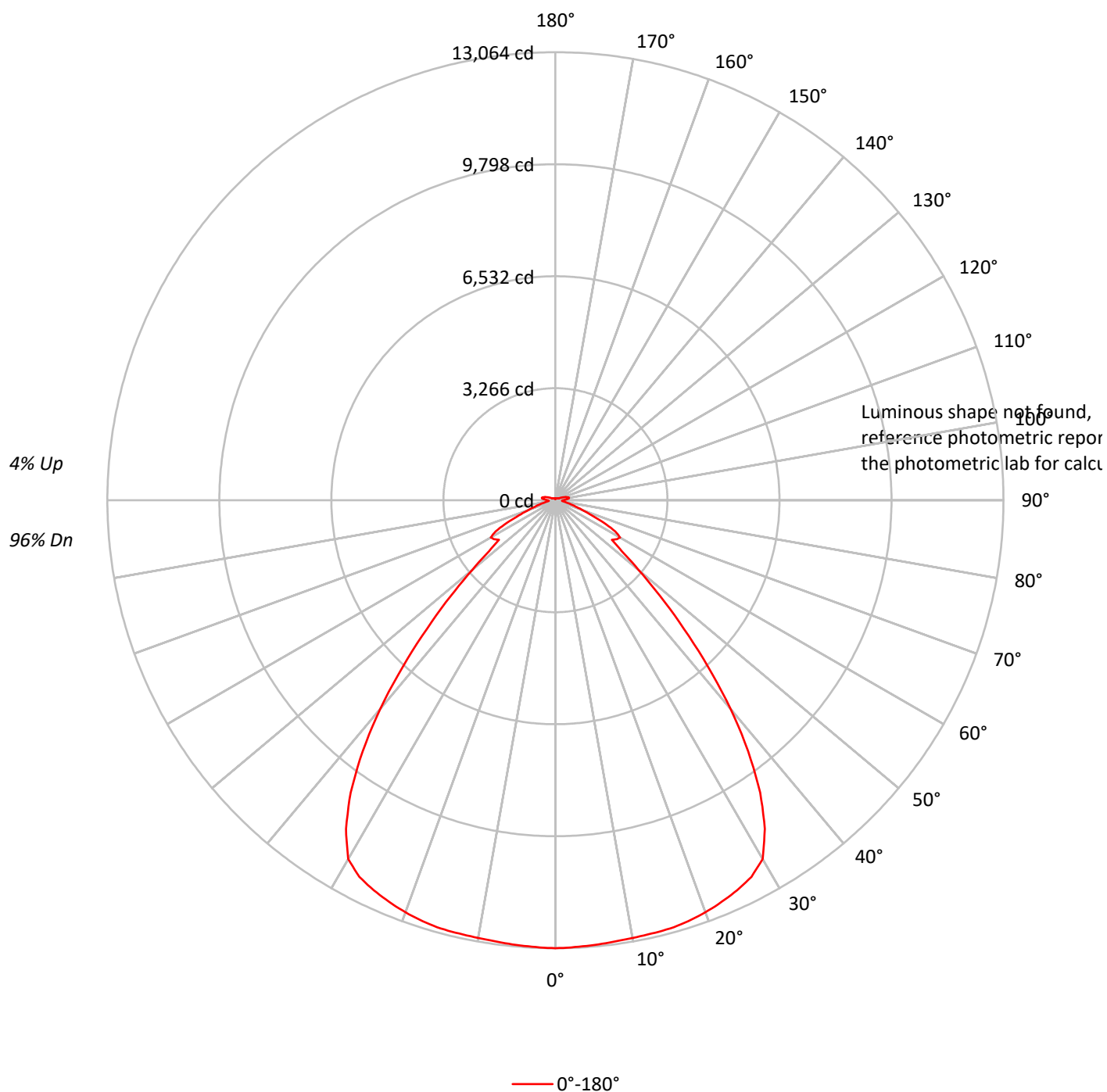
Lumens per Lamp: N/A
Luminaire Lumens: 26679.5 lumens
Efficiency: N/A
Efficacy: 170.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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	109	109	109	103	103	103	98	98	98	96		
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	85		
2	102	96	90	86	99	93	88	84	89	85	82	86	82	79	82	79	77	75		
3	95	86	80	74	92	84	78	73	81	76	72	78	74	70	75	71	68	66		
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	69	64	61	59		
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	55	53		
6	76	65	57	52	74	64	57	51	62	55	51	60	54	50	58	53	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	39		
9	63	51	44	39	61	50	43	38	49	42	38	47	42	38	46	41	37	36		
10	59	47	40	35	58	47	40	35	45	39	35	44	39	35	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1240.7	4.7
10°-20°	3655.9	13.7
20°-30°	5781.0	21.7
30°-40°	6390.6	24.0
40°-50°	4125.0	15.5
50°-60°	2062.8	7.7
60°-70°	1523.9	5.7
70°-80°	531.6	2.0
80°-90°	233.3	0.9
90°-100°	359.4	1.3
100°-110°	362.5	1.4
110°-120°	175.9	0.7
120°-130°	80.8	0.3
130°-140°	59.7	0.2
140°-150°	45.9	0.2
150°-160°	31.0	0.1
160°-170°	15.6	0.1
170°-180°	4.1	0.0
0°-30°	10677.6	40.0
0°-40°	17068.3	64.0
0°-60°	23256.0	87.2
0°-90°	25544.7	95.7
90°-120°	897.8	3.4
90°-150°	1084.1	4.1
90°-180°	1135.0	4.3
0°-180°	26679.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13064	
5°	13018	###
15°	12928	3656
25°	12545	5781
35°	10407	6391
45°	5290	4125
55°	2009	2063
65°	1558	1524
75°	481	532
85°	193	175
90°	228	128
95°	337	290
105°	348	362
115°	170	176
125°	86	81
135°	77	60
145°	73	46
155°	67	31
165°	55	16
175°	41	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13063.9
2.5°	13042.2
5°	13017.9
7.5°	12986.6
10°	12960.6
12.5°	12943.2
15°	12928.4
17.5°	12875.4
20°	12787.7
22.5°	12675.7
25°	12545.4
27.5°	12380.4
30°	12079.9
32.5°	11363.4
35°	10407.2
37.5°	9230.4
40°	7952.8
42.5°	6581.5
45°	5290.0
47.5°	4138.4
50°	3165.7
52.5°	2433.5
55°	2008.8
57.5°	2117.4
60°	2174.7
62.5°	1972.4
65°	1558.1
67.5°	1144.7
70°	831.2
72.5°	625.3
75°	481.1
77.5°	360.4
80°	271.0
82.5°	215.4
85°	192.8
87.5°	198.0
90°	227.5
92.5°	279.7
95°	337.0
97.5°	386.5
100°	403.0
102.5°	384.7
105°	348.3
107.5°	304.8
110°	257.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	211.9
115°	170.2
117.5°	137.2
120°	113.8
122.5°	97.3
125°	86.0
127.5°	79.9
130°	77.3
132.5°	77.3
135°	77.3
137.5°	77.3
140°	75.6
142.5°	73.8
145°	73.0
147.5°	72.1
150°	70.3
152.5°	68.6
155°	66.9
157.5°	65.1
160°	61.7
162.5°	58.2
165°	54.7
167.5°	50.4
170°	46.9
172.5°	43.4
175°	40.8
177.5°	39.1
180°	39.1

(END OF REPORT)