

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: P1505236

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505236
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-113)
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-TRWH-PS (5000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

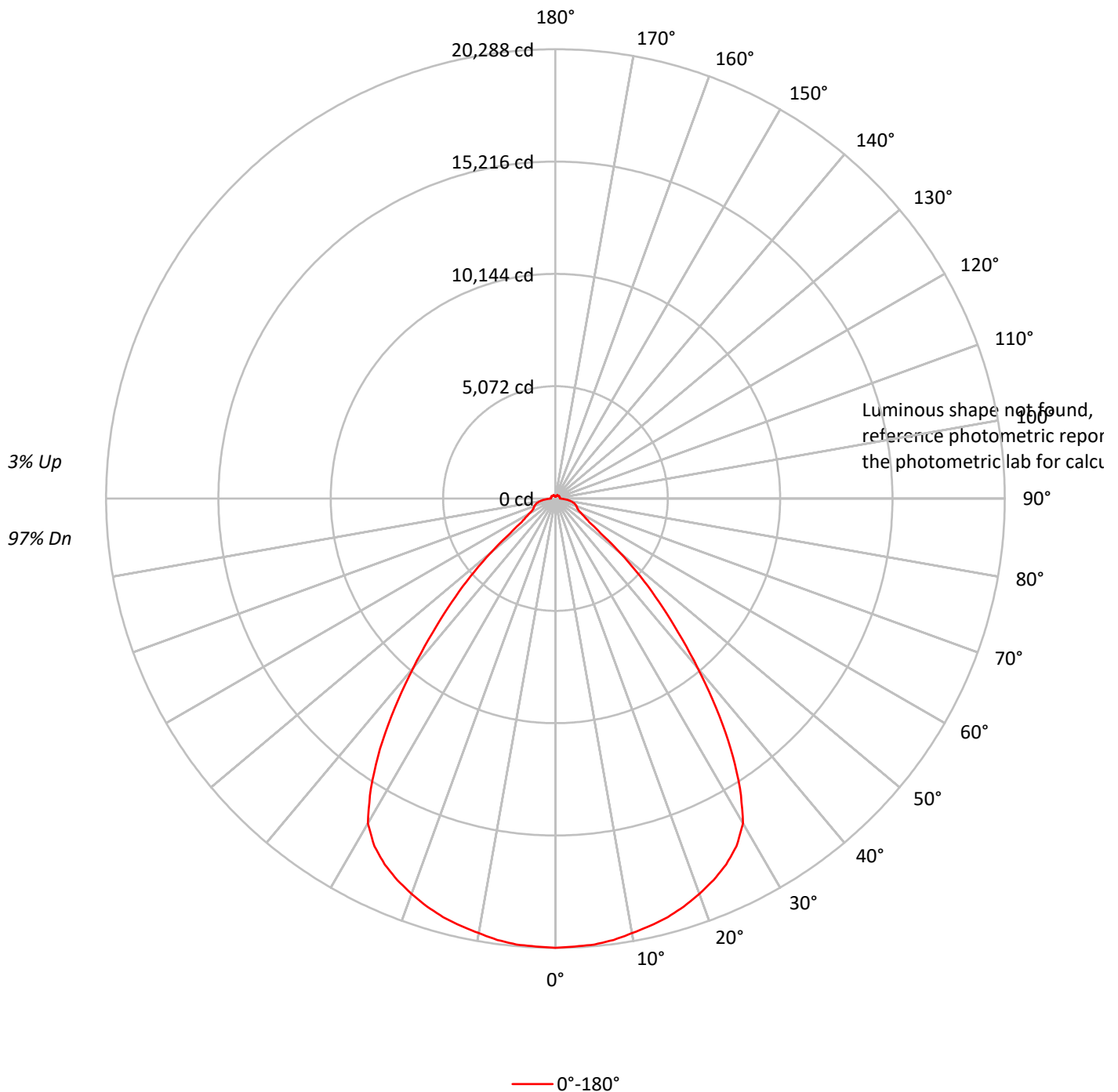
Lumens per Lamp: N/A
Luminaire Lumens: 35103.3 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 233.3
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	110	107	103	100	108	104	101	98		99	97	95		95	93	91		91	90	88
2	103	97	91	87	100	94	90	86		91	87	83		87	84	81		84	81	79
3	96	88	81	76	94	86	80	75		83	78	74		80	76	72		77	73	70
4	90	80	73	68	87	79	72	67		76	70	66		73	68	65		71	67	63
5	84	73	66	61	82	72	65	60		70	64	59		68	62	58		66	61	57
6	78	67	60	55	76	66	59	54		64	58	54		62	57	53		61	56	52
7	74	62	55	50	72	61	54	49		60	53	49		58	52	48		56	52	48
8	69	58	50	45	67	57	50	45		55	49	45		54	48	44		53	48	44
9	65	53	46	42	64	53	46	41		51	45	41		50	45	41		49	44	40
10	61	50	43	38	60	49	43	38		48	42	38		47	41	38		46	41	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°	1920.3	5.5
10°-20°	5521.6	15.7
20°-30°	8367.6	23.8
30°-40°	8504.6	24.2
40°-50°	5146.4	14.7
50°-60°	1911.9	5.4
60°-70°	1124.6	3.2
70°-80°	938.8	2.7
80°-90°	506.7	1.4
90°-100°	218.8	0.6
100°-110°	215.0	0.6
110°-120°	198.1	0.6
120°-130°	170.9	0.5
130°-140°	140.1	0.4
140°-150°	108.9	0.3
150°-160°	69.9	0.2
160°-170°	31.4	0.1
170°-180°	7.8	0.0
0°-30°	15809.4	45.0
0°-40°	24314.0	69.3
0°-60°	31372.3	89.4
0°-90°	33942.4	96.7
90°-120°	631.9	1.8
90°-150°	1051.8	3.0
90°-180°	1161.0	3.3
0°-180°	35103.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20288	
5°	20213	###
15°	19571	5522
25°	18231	8368
35°	13804	8505
45°	6621	5146
55°	1861	1912
65°	1103	1125
75°	900	939
85°	470	434
90°	200	127
95°	200	164
105°	204	215
115°	200	198
125°	190	171
135°	181	140
145°	173	109
155°	150	70
165°	107	31
175°	77	8
180°	74	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20287.7
2.5°	20247.5
5°	20213.3
7.5°	20104.6
10°	19927.7
12.5°	19761.7
15°	19571.2
17.5°	19308.8
20°	18993.9
22.5°	18649.7
25°	18231.0
27.5°	17698.8
30°	16935.9
32.5°	15515.2
35°	13803.9
37.5°	11920.5
40°	9987.0
42.5°	8196.4
45°	6620.6
47.5°	5197.4
50°	3813.2
52.5°	2577.9
55°	1861.4
57.5°	1584.4
60°	1362.2
62.5°	1191.3
65°	1103.4
67.5°	1054.6
70°	1019.2
72.5°	969.2
75°	899.6
77.5°	816.6
80°	717.7
82.5°	601.8
85°	469.9
87.5°	329.6
90°	200.2
92.5°	199.0
95°	200.2
97.5°	201.4
100°	202.6
102.5°	203.8
105°	203.8
107.5°	202.6
110°	202.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	201.4
115°	200.2
117.5°	197.7
120°	195.3
122.5°	192.9
125°	190.4
127.5°	188.0
130°	185.5
132.5°	183.1
135°	180.7
137.5°	178.2
140°	177.0
142.5°	174.5
145°	173.3
147.5°	172.1
150°	168.4
152.5°	159.9
155°	150.1
157.5°	140.4
160°	130.6
162.5°	118.4
165°	107.4
167.5°	98.9
170°	90.3
172.5°	83.0
175°	76.9
177.5°	74.5
180°	74.5

(END OF REPORT)