

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: P1505220

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505220
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-114)
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 (3500K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

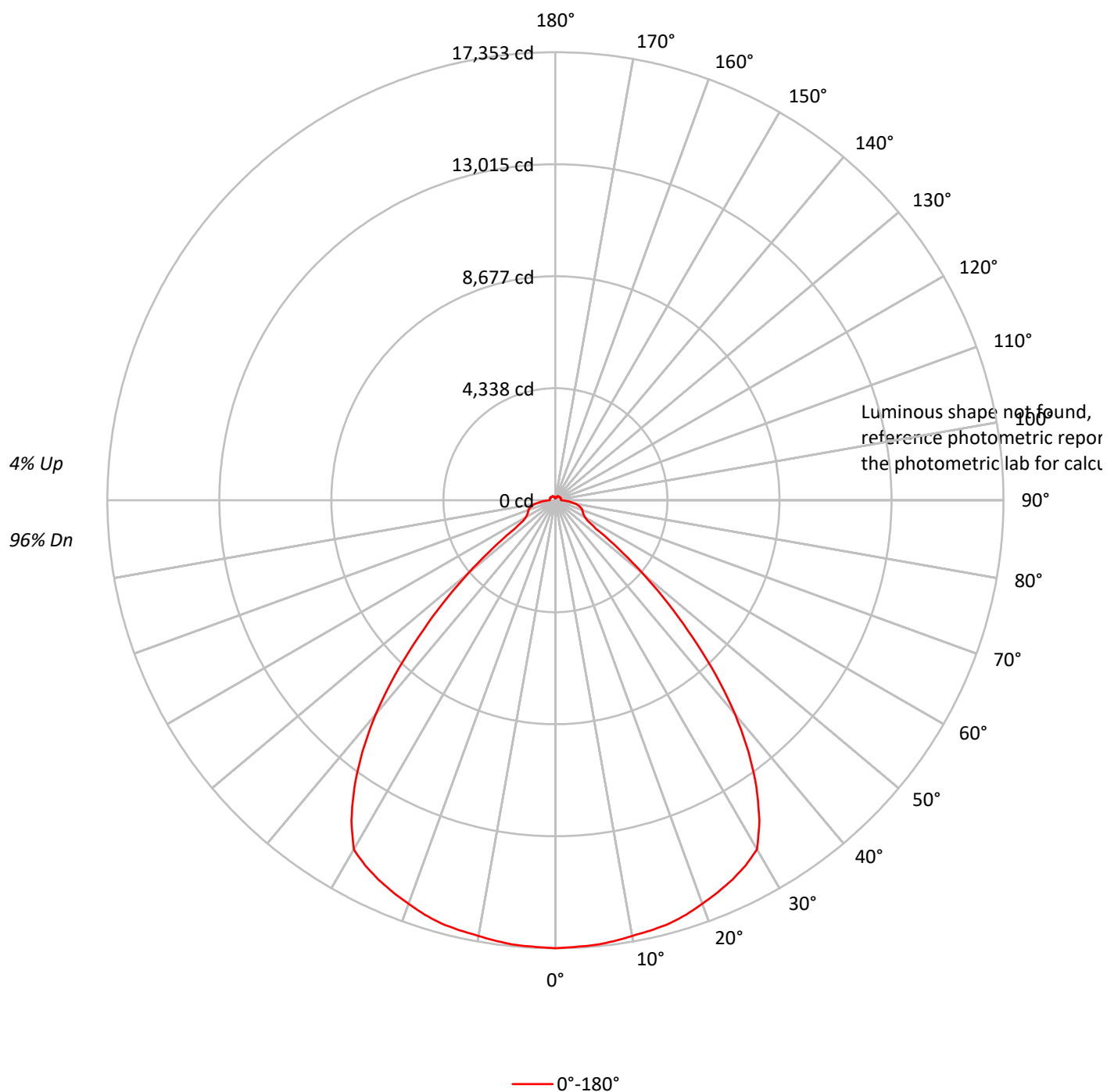
Lumens per Lamp: N/A
Luminaire Lumens: 34153.4 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 235.4
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





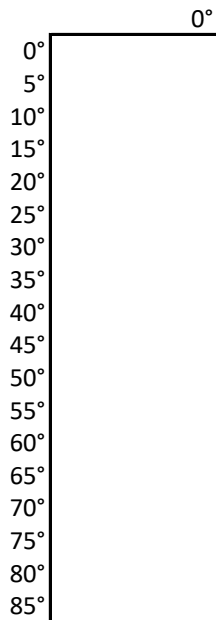
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	104	104	104	99	99	99	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	100	94	89	84	90	85	82	86	82	79	82	80	77	75		
3	95	87	80	75	93	85	79	74	81	76	72	78	74	70	76	72	69	67		
4	89	79	71	66	86	77	70	65	74	69	64	72	67	63	69	65	62	60		
5	83	72	64	59	80	70	63	58	68	62	57	66	61	56	64	59	55	54		
6	77	66	58	53	75	65	57	52	63	56	52	61	55	51	59	54	50	48		
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	54	49	46	44		
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	45	42	40		
9	63	52	44	39	62	51	44	39	49	43	39	48	43	38	47	42	38	36		
10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	35	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°	1645.7	4.8
10°-20°	4795.3	14.0
20°-30°	7476.0	21.9
30°-40°	8387.3	24.6
40°-50°	5789.5	17.0
50°-60°	2058.0	6.0
60°-70°	1185.0	3.5
70°-80°	1028.6	3.0
80°-90°	543.2	1.6
90°-100°	235.9	0.7
100°-110°	231.3	0.7
110°-120°	212.9	0.6
120°-130°	184.3	0.5
130°-140°	150.2	0.4
140°-150°	115.6	0.3
150°-160°	74.0	0.2
160°-170°	32.7	0.1
170°-180°	7.9	0.0
0°-30°	13917.1	40.7
0°-40°	22304.3	65.3
0°-60°	30151.8	88.3
0°-90°	32908.5	96.4
90°-120°	680.2	2.0
90°-150°	1130.3	3.3
90°-180°	1245.0	3.6
0°-180°	34153.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17353	
5°	17296	###
15°	16983	4795
25°	16214	7476
35°	13576	8387
45°	7497	5789
55°	1904	2058
65°	1183	1185
75°	988	1029
85°	496	466
90°	216	137
95°	216	177
105°	218	231
115°	215	213
125°	206	184
135°	194	150
145°	184	116
155°	159	74
165°	112	33
175°	78	8
180°	74	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17353.0
2.5°	17318.1
5°	17296.0
7.5°	17229.7
10°	17134.4
12.5°	17065.8
15°	16983.3
17.5°	16832.2
20°	16634.6
22.5°	16435.8
25°	16213.8
27.5°	15949.9
30°	15614.0
32.5°	14704.9
35°	13576.2
37.5°	12276.6
40°	10830.5
42.5°	9207.7
45°	7496.6
47.5°	5933.1
50°	4406.8
52.5°	3046.8
55°	1904.1
57.5°	1475.1
60°	1331.0
62.5°	1235.7
65°	1183.4
67.5°	1142.7
70°	1106.6
72.5°	1057.8
75°	988.1
77.5°	900.9
80°	787.0
82.5°	646.3
85°	496.4
87.5°	349.9
90°	216.2
92.5°	213.9
95°	216.2
97.5°	217.4
100°	218.5
102.5°	219.7
105°	218.5
107.5°	218.5
110°	217.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	216.2
115°	215.1
117.5°	212.7
120°	210.4
122.5°	208.1
125°	205.8
127.5°	202.3
130°	199.9
132.5°	196.5
135°	194.1
137.5°	190.6
140°	188.3
142.5°	186.0
145°	183.7
147.5°	182.5
150°	177.9
152.5°	169.7
155°	159.3
157.5°	147.6
160°	137.2
162.5°	124.4
165°	111.6
167.5°	101.1
170°	93.0
172.5°	83.7
175°	77.9
177.5°	74.4
180°	74.4

(END OF REPORT)