

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: P1505211

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505211
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 (3000K_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

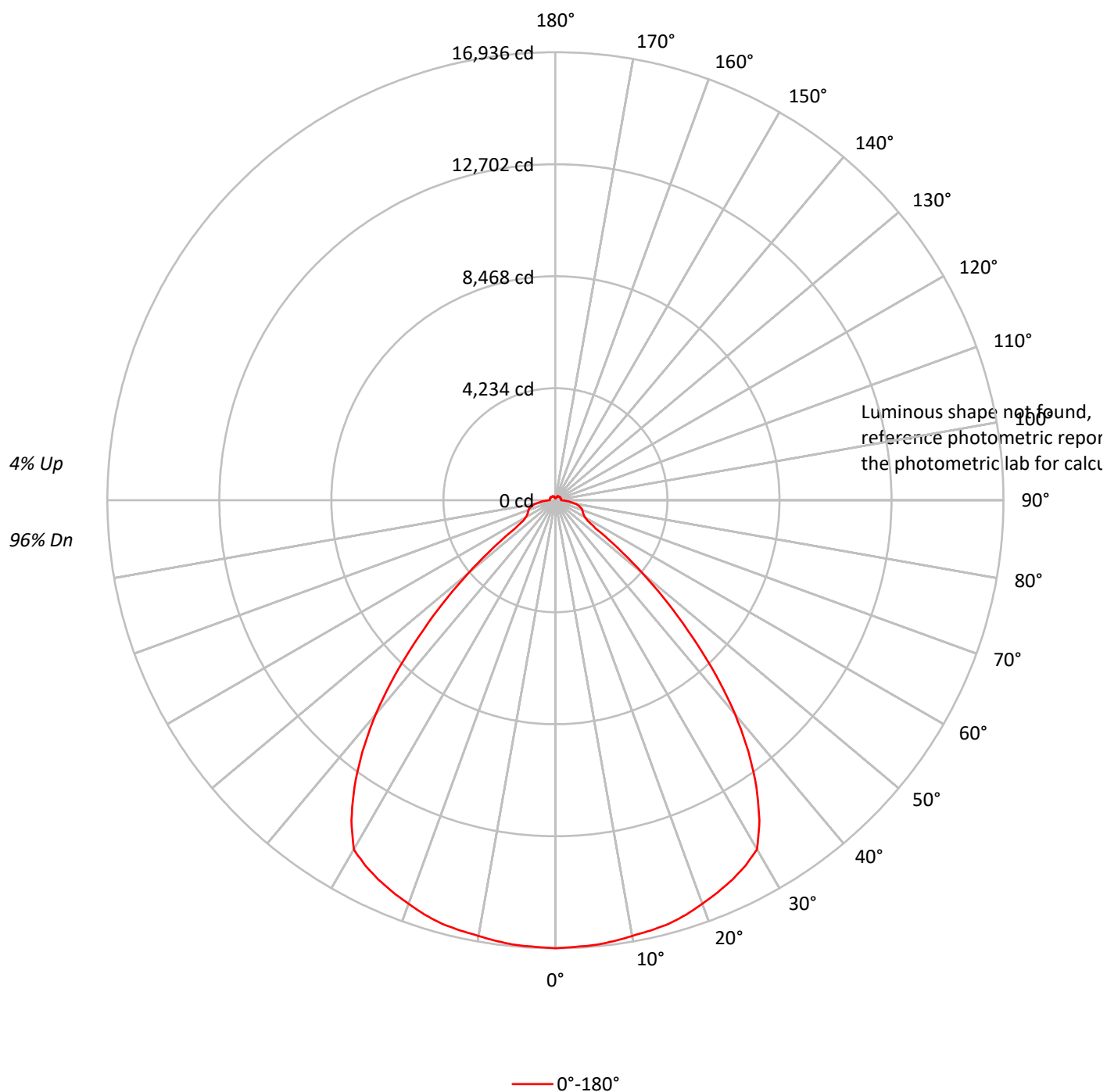
Lumens per Lamp: N/A
Luminaire Lumens: 33332.5 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 237.6
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	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	99	99	99	99	99			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	87	87	87	87	85			
2	102	96	90	86	100	94	89	84	90	85	82	86	82	79	82	80	77	77	77	77	77	75			
3	95	87	80	75	93	85	79	74	81	76	72	78	74	70	76	72	69	69	69	69	69	67			
4	89	79	71	66	86	77	70	65	74	69	64	72	67	63	69	65	62	62	62	62	62	60			
5	83	72	64	59	80	70	63	58	68	62	57	66	61	56	64	59	55	55	55	55	55	54			
6	77	66	58	53	75	65	57	52	63	56	52	61	55	51	59	54	50	50	50	50	50	48			
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	54	49	46	46	46	46	46	44			
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	45	42	42	42	42	42	40			
9	63	52	44	39	62	51	44	39	49	43	39	48	43	38	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	35	35	35	35	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°	1606.2	4.8
10°-20°	4680.1	14.0
20°-30°	7296.4	21.9
30°-40°	8185.7	24.6
40°-50°	5650.3	17.0
50°-60°	2008.5	6.0
60°-70°	1156.5	3.5
70°-80°	1003.8	3.0
80°-90°	530.1	1.6
90°-100°	230.2	0.7
100°-110°	225.8	0.7
110°-120°	207.8	0.6
120°-130°	179.9	0.5
130°-140°	146.6	0.4
140°-150°	112.8	0.3
150°-160°	72.2	0.2
160°-170°	31.9	0.1
170°-180°	7.7	0.0
0°-30°	13582.6	40.7
0°-40°	21768.3	65.3
0°-60°	29427.1	88.3
0°-90°	32117.6	96.4
90°-120°	663.8	2.0
90°-150°	1103.1	3.3
90°-180°	1215.0	3.6
0°-180°	33332.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16936	
5°	16880	###
15°	16575	4680
25°	15824	7296
35°	13250	8186
45°	7316	5650
55°	1858	2008
65°	1155	1157
75°	964	1004
85°	484	454
90°	211	133
95°	211	173
105°	213	226
115°	210	208
125°	201	180
135°	190	147
145°	179	113
155°	155	72
165°	109	32
175°	76	8
180°	73	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16935.9
2.5°	16901.9
5°	16880.4
7.5°	16815.7
10°	16722.7
12.5°	16655.7
15°	16575.2
17.5°	16427.7
20°	16234.8
22.5°	16040.8
25°	15824.1
27.5°	15566.6
30°	15238.7
32.5°	14351.5
35°	13249.9
37.5°	11981.5
40°	10570.2
42.5°	8986.4
45°	7316.4
47.5°	5790.5
50°	4300.9
52.5°	2973.5
55°	1858.3
57.5°	1439.7
60°	1299.0
62.5°	1206.0
65°	1154.9
67.5°	1115.2
70°	1080.1
72.5°	1032.4
75°	964.3
77.5°	879.2
80°	768.1
82.5°	630.8
85°	484.4
87.5°	341.5
90°	211.0
92.5°	208.7
95°	211.0
97.5°	212.2
100°	213.3
102.5°	214.4
105°	213.3
107.5°	213.3
110°	212.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	211.0
115°	209.9
117.5°	207.6
120°	205.3
122.5°	203.1
125°	200.8
127.5°	197.4
130°	195.1
132.5°	191.7
135°	189.5
137.5°	186.1
140°	183.8
142.5°	181.5
145°	179.3
147.5°	178.1
150°	173.6
152.5°	165.6
155°	155.4
157.5°	144.1
160°	133.9
162.5°	121.4
165°	108.9
167.5°	98.7
170°	90.8
172.5°	81.7
175°	76.0
177.5°	72.6
180°	72.6

(END OF REPORT)