

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: P1505587

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505587
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-125)
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-B-06-TRWH-PS (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

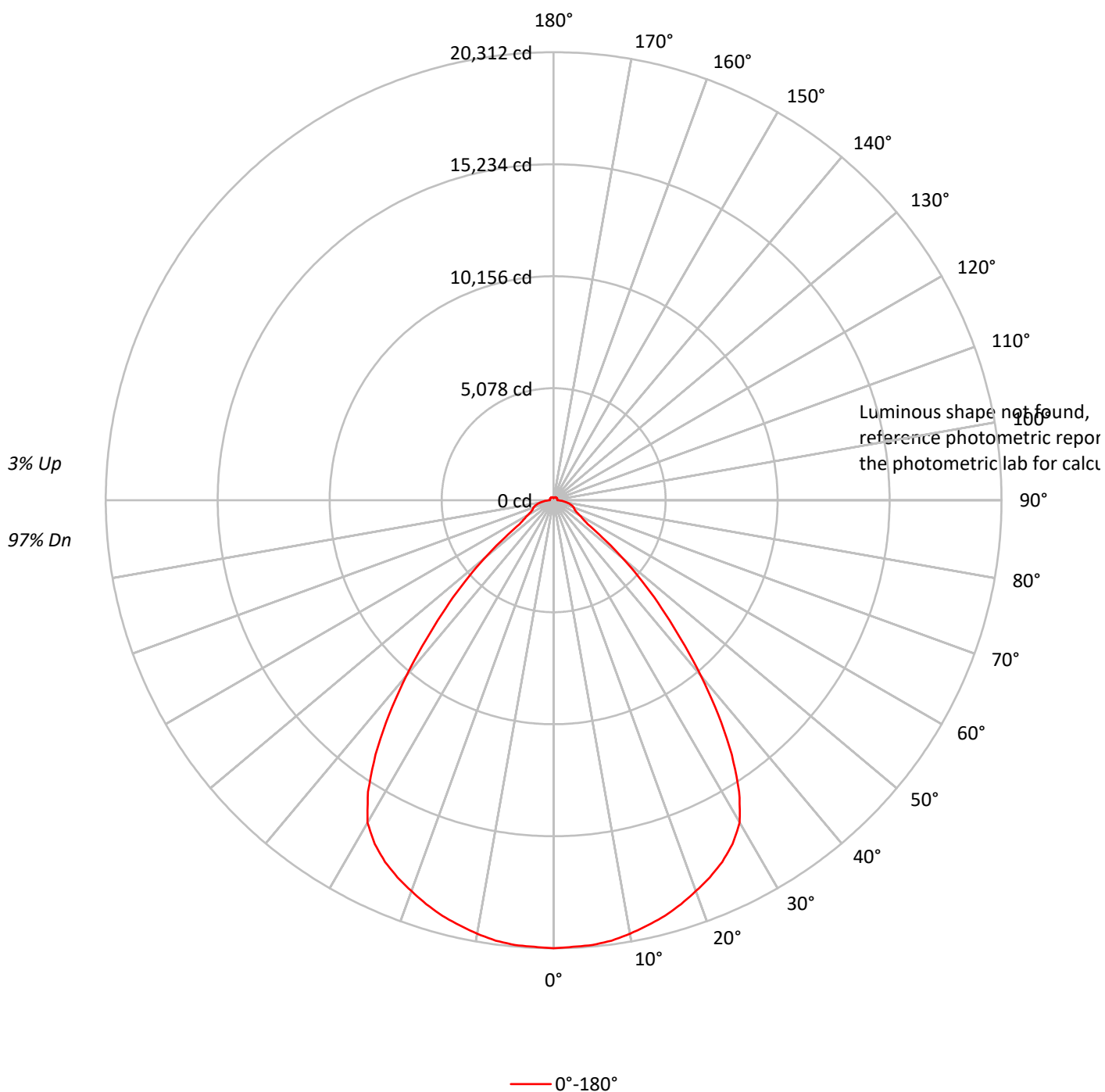
Lumens per Lamp: N/A
Luminaire Lumens: 35166.3 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 231.9
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





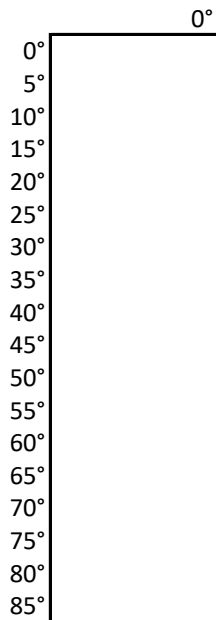
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	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	97	
1	111	107	104	101	108	104	102	99	100	97	95	96	94	92	92	90	89	89	89	87	
2	103	97	92	87	101	95	90	86	91	87	84	87	84	81	84	81	79	79	79	77	
3	96	88	82	76	94	86	80	76	83	78	74	80	76	72	77	74	71	71	71	69	
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	64	64	62	
5	84	73	66	61	82	72	65	60	70	64	59	68	63	59	66	61	58	58	58	56	
6	79	67	60	55	77	66	59	54	64	58	54	63	57	53	61	56	53	53	53	51	
7	74	62	55	50	72	61	54	49	60	53	49	58	53	48	57	52	48	48	48	46	
8	69	58	50	45	68	57	50	45	55	49	45	54	48	44	53	48	44	44	44	42	
9	65	53	46	42	64	53	46	41	51	45	41	50	45	41	49	44	40	40	40	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	37	37	36	

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1923.1	5.5
10°-20°	5501.5	15.6
20°-30°	8308.6	23.6
30°-40°	8656.4	24.6
40°-50°	5384.5	15.3
50°-60°	1987.2	5.7
60°-70°	1095.1	3.1
70°-80°	861.6	2.5
80°-90°	427.1	1.2
90°-100°	182.3	0.5
100°-110°	181.7	0.5
110°-120°	171.3	0.5
120°-130°	151.0	0.4
130°-140°	125.8	0.4
140°-150°	98.9	0.3
150°-160°	66.7	0.2
160°-170°	33.7	0.1
170°-180°	9.6	0.0
0°-30°	15733.2	44.7
0°-40°	24389.7	69.4
0°-60°	31761.4	90.3
0°-90°	34145.2	97.1
90°-120°	535.3	1.5
90°-150°	911.1	2.6
90°-180°	1021.0	2.9
0°-180°	35166.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20312	
5°	20242	###
15°	19506	5502
25°	18089	8309
35°	14079	8656
45°	6926	5385
55°	1878	1987
65°	1070	1095
75°	826	862
85°	389	367
90°	172	107
95°	166	136
105°	172	182
115°	173	171
125°	168	151
135°	162	126
145°	157	99
155°	144	67
165°	118	34
175°	99	10
180°	99	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20312.3
2.5°	20265.1
5°	20242.1
7.5°	20140.4
10°	19956.3
12.5°	19740.8
15°	19505.9
17.5°	19200.7
20°	18856.9
22.5°	18509.3
25°	18089.2
27.5°	17564.9
30°	16874.7
32.5°	15661.4
35°	14078.8
37.5°	12268.5
40°	10375.9
42.5°	8534.2
45°	6926.2
47.5°	5458.6
50°	4089.1
52.5°	2785.0
55°	1878.1
57.5°	1575.3
60°	1355.0
62.5°	1174.5
65°	1070.4
67.5°	1015.9
70°	967.5
72.5°	906.9
75°	825.8
77.5°	732.6
80°	627.2
82.5°	509.8
85°	388.7
87.5°	270.0
90°	171.9
92.5°	163.5
95°	165.9
97.5°	168.3
100°	169.5
102.5°	170.7
105°	171.9
107.5°	173.2
110°	173.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	173.2
115°	173.2
117.5°	171.9
120°	170.7
122.5°	169.5
125°	168.3
127.5°	167.1
130°	165.9
132.5°	163.5
135°	162.3
137.5°	161.0
140°	159.8
142.5°	158.6
145°	157.4
147.5°	156.2
150°	153.8
152.5°	148.9
155°	144.1
157.5°	138.0
160°	132.0
162.5°	124.7
165°	117.5
167.5°	110.2
170°	104.1
172.5°	100.5
175°	99.3
177.5°	99.3
180°	99.3

(END OF REPORT)