

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: P1505166

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505166
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 (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

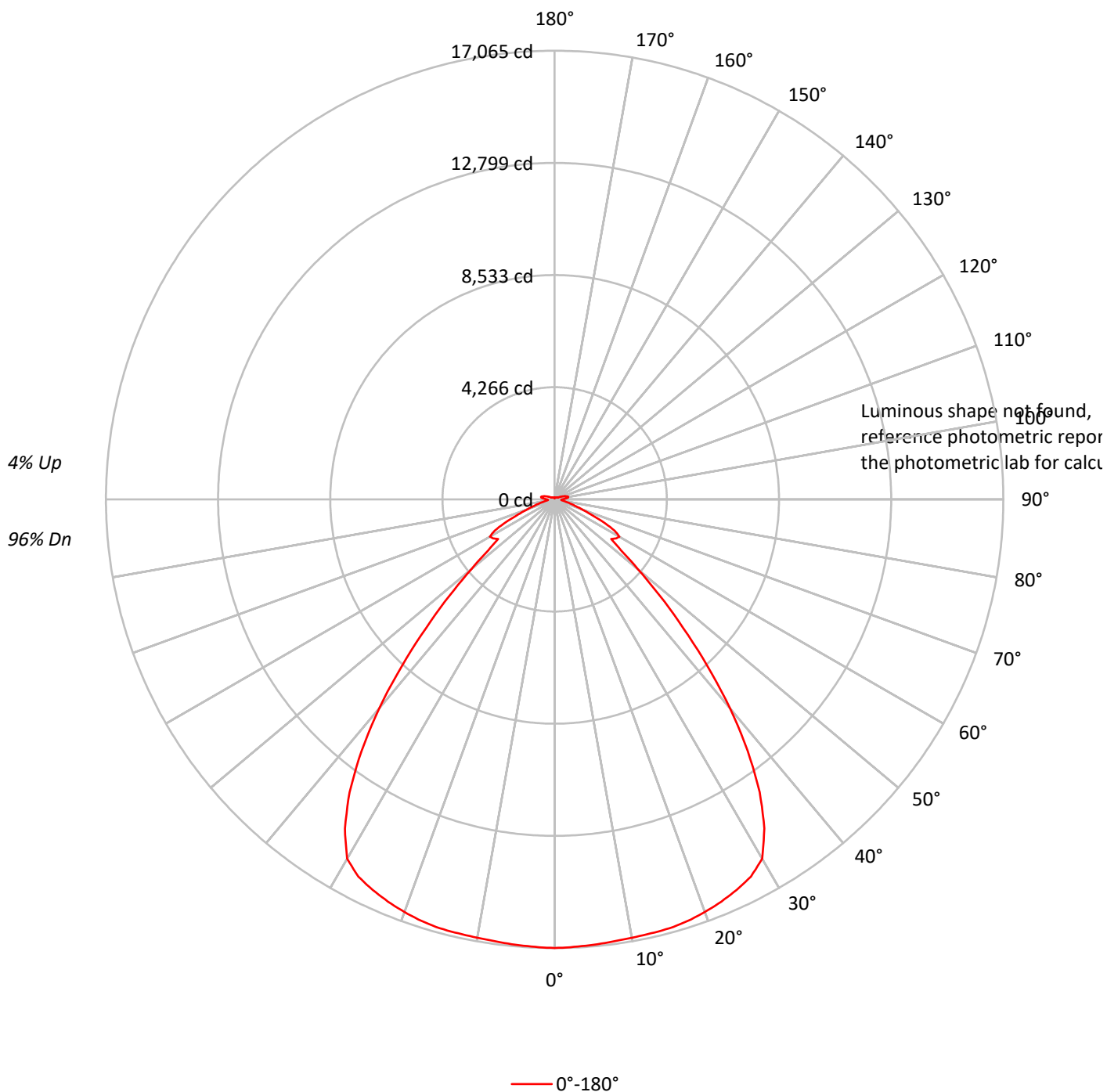
Lumens per Lamp: N/A
Luminaire Lumens: 34851.3 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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	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°	1620.8	4.7
10°-20°	4775.7	13.7
20°-30°	7551.6	21.7
30°-40°	8348.0	24.0
40°-50°	5388.4	15.5
50°-60°	2694.6	7.7
60°-70°	1990.6	5.7
70°-80°	694.4	2.0
80°-90°	304.8	0.9
90°-100°	469.4	1.3
100°-110°	473.5	1.4
110°-120°	229.8	0.7
120°-130°	105.5	0.3
130°-140°	78.0	0.2
140°-150°	59.9	0.2
150°-160°	40.5	0.1
160°-170°	20.4	0.1
170°-180°	5.3	0.0
0°-30°	13948.1	40.0
0°-40°	22296.2	64.0
0°-60°	30379.2	87.2
0°-90°	33368.9	95.7
90°-120°	1172.7	3.4
90°-150°	1416.2	4.1
90°-180°	1482.0	4.3
0°-180°	34851.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17065	
5°	17005	###
15°	16888	4776
25°	16388	7552
35°	13595	8348
45°	6910	5388
55°	2624	2695
65°	2035	1991
75°	628	694
85°	252	229
90°	297	167
95°	440	379
105°	455	473
115°	222	230
125°	112	106
135°	101	78
145°	95	60
155°	87	40
165°	72	20
175°	53	5
180°	51	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17065.3
2.5°	17036.9
5°	17005.2
7.5°	16964.3
10°	16930.3
12.5°	16907.6
15°	16888.3
17.5°	16819.1
20°	16704.5
22.5°	16558.2
25°	16388.0
27.5°	16172.4
30°	15779.9
32.5°	14843.9
35°	13594.8
37.5°	12057.6
40°	10388.7
42.5°	8597.3
45°	6910.3
47.5°	5405.9
50°	4135.3
52.5°	3178.9
55°	2624.1
57.5°	2765.9
60°	2840.8
62.5°	2576.5
65°	2035.3
67.5°	1495.3
70°	1085.7
72.5°	816.8
75°	628.5
77.5°	470.8
80°	354.0
82.5°	281.4
85°	251.9
87.5°	258.7
90°	297.2
92.5°	365.3
95°	440.2
97.5°	504.9
100°	526.4
102.5°	502.6
105°	454.9
107.5°	398.2
110°	336.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	276.8
115°	222.4
117.5°	179.3
120°	148.6
122.5°	127.1
125°	112.3
127.5°	104.4
130°	101.0
132.5°	101.0
135°	101.0
137.5°	101.0
140°	98.7
142.5°	96.4
145°	95.3
147.5°	94.2
150°	91.9
152.5°	89.6
155°	87.4
157.5°	85.1
160°	80.6
162.5°	76.0
165°	71.5
167.5°	65.8
170°	61.3
172.5°	56.7
175°	53.3
177.5°	51.1
180°	51.1

(END OF REPORT)