

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: P1505526

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505526
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-120)
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-CLER-PS (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

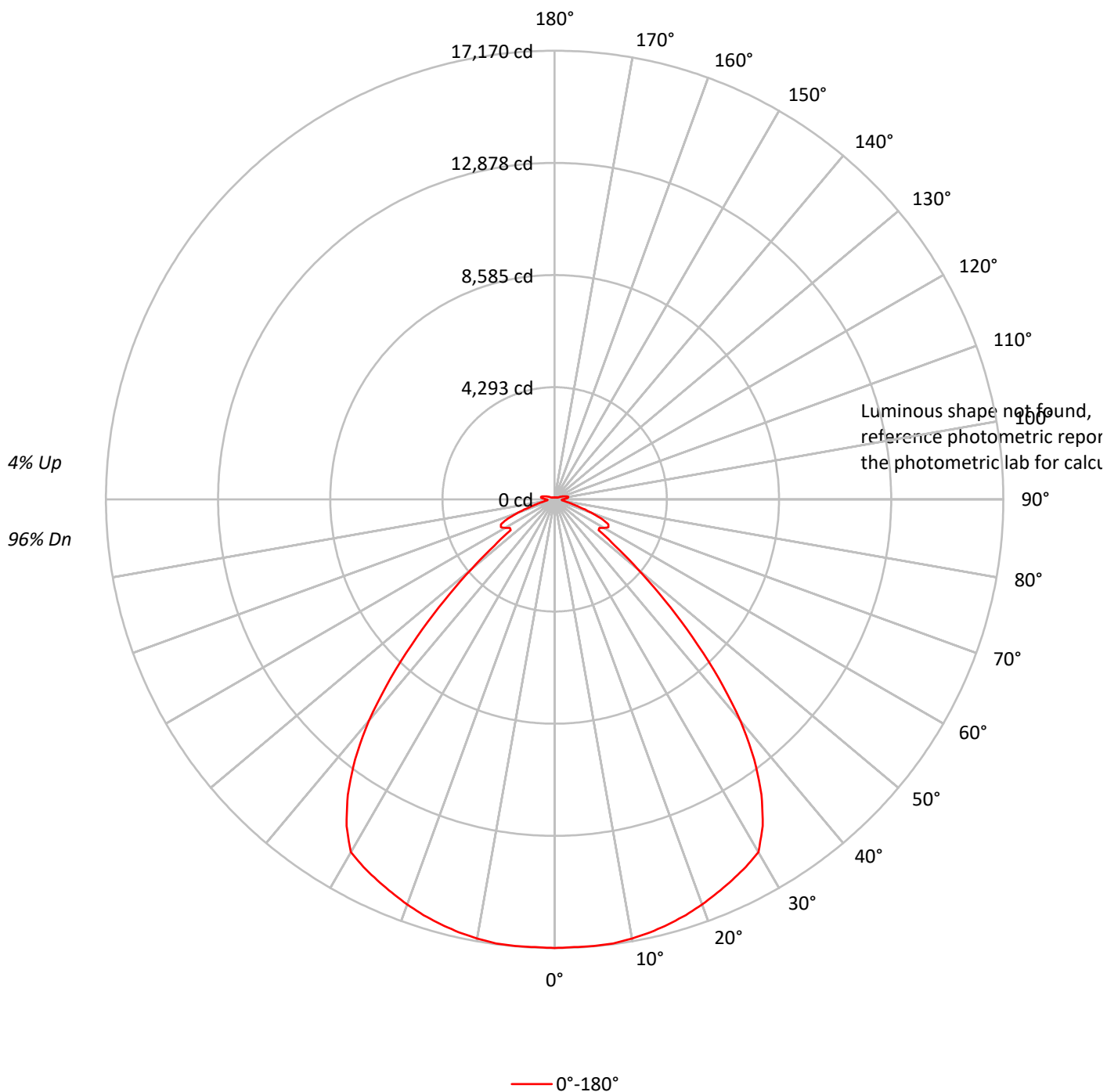
Lumens per Lamp: N/A
Luminaire Lumens: 35074.3 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		103	103	103		98	98	98
1	110	106	103	100	107	104	100	98		99	96	94		94	92	90		90	88	87
2	102	95	90	85	99	93	88	84		89	85	81		85	82	79		82	79	77
3	95	86	79	74	92	84	78	73		81	76	71		78	73	70		75	71	68
4	88	78	71	65	86	76	70	64		74	68	63		71	66	62		68	64	61
5	82	71	63	58	80	70	63	57		67	61	56		65	60	55		63	58	54
6	76	65	57	52	74	64	57	51		62	55	50		60	54	50		58	53	49
7	71	60	52	47	70	59	51	46		57	50	46		55	49	45		53	48	44
8	67	55	47	42	65	54	47	42		52	46	41		51	45	41		50	44	41
9	63	51	43	38	61	50	43	38		49	42	38		47	42	37		46	41	37
10	59	47	40	35	58	46	40	35		45	39	35		44	38	34		43	38	34

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1635.2	4.7
10°-20°	4758.4	13.6
20°-30°	7423.7	21.2
30°-40°	8502.2	24.2
40°-50°	5746.7	16.4
50°-60°	2262.4	6.5
60°-70°	2074.5	5.9
70°-80°	850.9	2.4
80°-90°	325.9	0.9
90°-100°	488.1	1.4
100°-110°	467.4	1.3
110°-120°	224.7	0.6
120°-130°	103.5	0.3
130°-140°	79.5	0.2
140°-150°	60.8	0.2
150°-160°	40.6	0.1
160°-170°	22.7	0.1
170°-180°	7.0	0.0
0°-30°	13817.3	39.4
0°-40°	22319.5	63.6
0°-60°	30328.6	86.5
0°-90°	33579.9	95.7
90°-120°	1180.3	3.4
90°-150°	1424.1	4.1
90°-180°	1494.0	4.3
0°-180°	35074.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17170	
5°	17161	###
15°	16833	4758
25°	16074	7424
35°	13798	8502
45°	7447	5747
55°	2058	2262
65°	2269	2075
75°	728	851
85°	271	246
90°	310	175
95°	465	393
105°	446	467
115°	218	225
125°	110	104
135°	103	79
145°	96	61
155°	87	41
165°	79	23
175°	74	7
180°	74	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17169.7
2.5°	17149.2
5°	17160.6
7.5°	17141.3
10°	17063.0
12.5°	16965.4
15°	16832.7
17.5°	16681.8
20°	16498.0
22.5°	16285.9
25°	16073.7
27.5°	15854.8
30°	15590.4
32.5°	14817.8
35°	13797.9
37.5°	12547.7
40°	11062.6
42.5°	9298.4
45°	7446.9
47.5°	5712.3
50°	4151.2
52.5°	2906.6
55°	2058.0
57.5°	2028.5
60°	2182.8
62.5°	2315.5
65°	2269.0
67.5°	1954.8
70°	1493.0
72.5°	1044.9
75°	728.4
77.5°	521.9
80°	383.5
82.5°	304.0
85°	271.1
87.5°	273.4
90°	309.7
92.5°	382.3
95°	465.1
97.5°	521.9
100°	533.2
102.5°	501.5
105°	445.9
107.5°	386.9
110°	326.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	270.0
115°	217.8
117.5°	177.0
120°	145.2
122.5°	123.7
125°	110.0
127.5°	103.2
130°	101.0
132.5°	101.0
135°	103.2
137.5°	104.4
140°	103.2
142.5°	99.8
145°	96.4
147.5°	93.0
150°	90.8
152.5°	88.5
155°	87.4
157.5°	86.2
160°	85.1
162.5°	82.8
165°	79.4
167.5°	77.1
170°	73.7
172.5°	71.5
175°	73.7
177.5°	73.7
180°	73.7

(END OF REPORT)