

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: P1505364

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505364
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)
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-04-CLER-PS (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

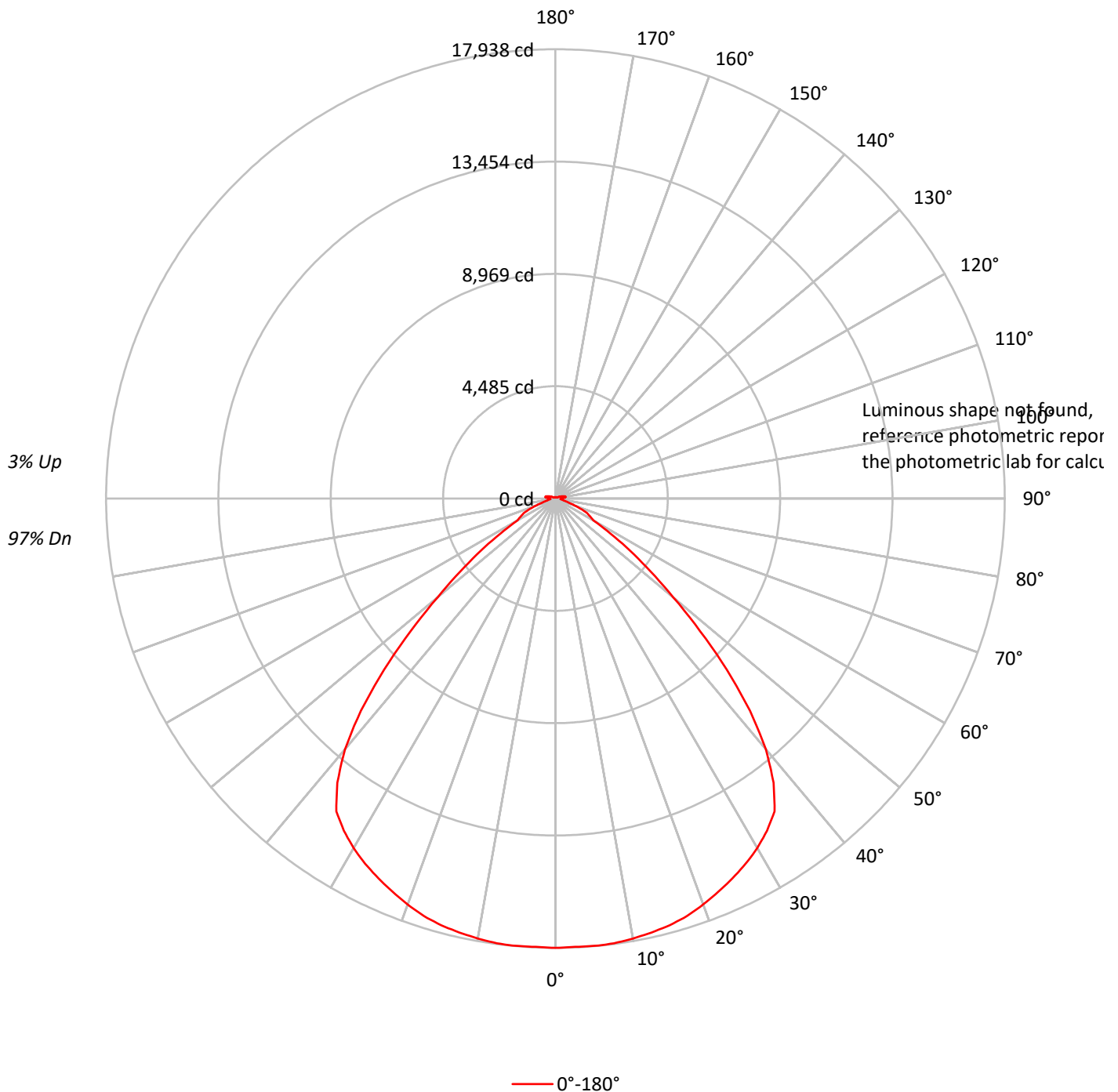
Lumens per Lamp: N/A
Luminaire Lumens: 37707.6 lumens
Efficiency: N/A
Efficacy: 162.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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
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	104	104	104	99	99	99
1	111	107	104	101	108	105	102	99	100	97	95	96	94	92	92	90	89
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79
3	96	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	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°	1708.8	4.5
10°-20°	4980.6	13.2
20°-30°	7719.7	20.5
30°-40°	9364.4	24.8
40°-50°	7400.3	19.6
50°-60°	3322.6	8.8
60°-70°	1341.1	3.6
70°-80°	498.9	1.3
80°-90°	236.4	0.6
90°-100°	376.6	1.0
100°-110°	369.2	1.0
110°-120°	173.5	0.5
120°-130°	72.2	0.2
130°-140°	51.7	0.1
140°-150°	41.6	0.1
150°-160°	28.9	0.1
160°-170°	16.2	0.0
170°-180°	5.0	0.0
0°-30°	14409.0	38.2
0°-40°	23773.5	63.0
0°-60°	34496.4	91.5
0°-90°	36572.8	97.0
90°-120°	919.3	2.4
90°-150°	1084.7	2.9
90°-180°	1135.0	3.0
0°-180°	37707.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17938	
5°	17929	###
15°	17635	4981
25°	16729	7720
35°	15250	9364
45°	9675	7400
55°	3639	3323
65°	1410	1341
75°	424	499
85°	197	176
90°	235	133
95°	360	304
105°	356	369
115°	168	173
125°	76	72
135°	67	52
145°	65	42
155°	62	29
165°	57	16
175°	53	5
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17937.8
2.5°	17919.6
5°	17929.3
7.5°	17912.4
10°	17833.7
12.5°	17744.1
15°	17635.1
17.5°	17475.3
20°	17248.8
22.5°	16992.1
25°	16729.4
27.5°	16441.2
30°	16113.0
32.5°	15718.3
35°	15249.7
37.5°	14300.4
40°	13065.3
42.5°	11492.4
45°	9674.8
47.5°	7838.0
50°	6141.5
52.5°	4778.1
55°	3638.7
57.5°	2611.8
60°	1763.0
62.5°	1559.6
65°	1409.5
67.5°	1151.5
70°	848.8
72.5°	586.1
75°	423.8
77.5°	329.4
80°	261.5
82.5°	218.0
85°	197.4
87.5°	203.4
90°	234.9
92.5°	296.7
95°	359.6
97.5°	402.0
100°	411.7
102.5°	392.3
105°	356.0
107.5°	310.0
110°	259.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	211.9
115°	168.3
117.5°	132.0
120°	106.6
122.5°	88.4
125°	76.3
127.5°	69.0
130°	66.6
132.5°	65.4
135°	66.6
137.5°	67.8
140°	67.8
142.5°	67.8
145°	65.4
147.5°	65.4
150°	64.2
152.5°	63.0
155°	61.8
157.5°	61.8
160°	60.5
162.5°	59.3
165°	56.9
167.5°	54.5
170°	52.1
172.5°	52.1
175°	53.3
177.5°	54.5
180°	54.5

(END OF REPORT)