

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: P1505407

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505407
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-101)
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-TRWH-PS (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

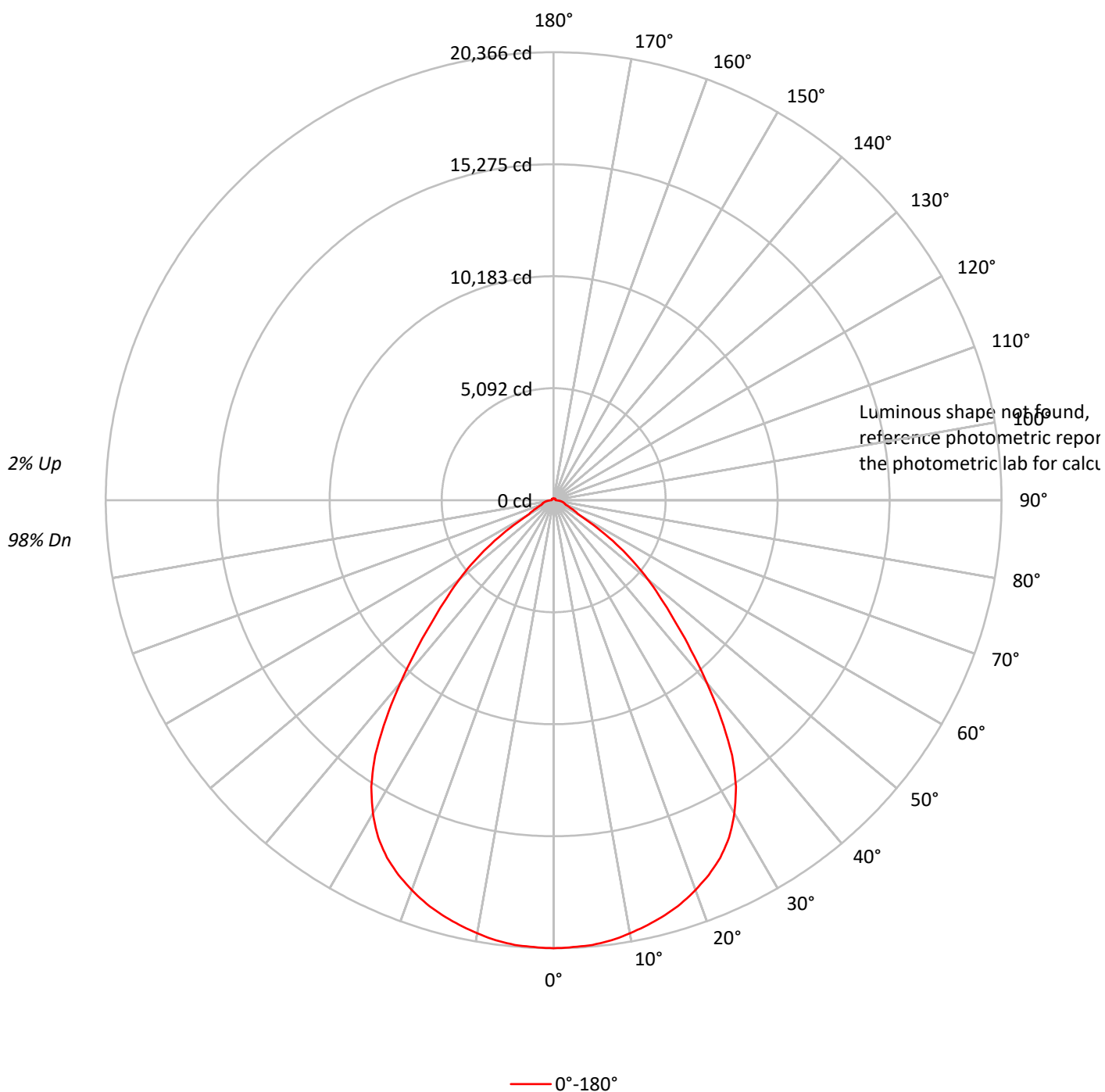
Lumens per Lamp: N/A
Luminaire Lumens: 35776.6 lumens
Efficiency: N/A
Efficacy: 154.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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



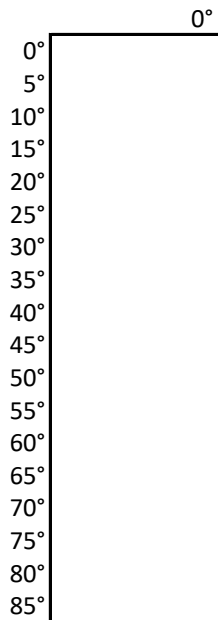
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10	50	30	10		
R	C																								
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101						98		
1	111	108	104	102	109	105	102	100	101	99	96	97	95	93	93	92	90						88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81						79		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72						70		
4	90	81	73	68	88	79	73	68	77	71	67	74	69	66	72	68	65						63		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58						56		
6	79	67	60	55	77	66	59	54	65	58	54	63	57	53	61	57	53						51		
7	73	62	55	49	72	61	54	49	60	53	49	58	53	48	57	52	48						46		
8	69	57	50	45	67	57	50	45	55	49	44	54	48	44	53	48	44						42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40						39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37						35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1927.4	5.4
10°-20°	5509.3	15.4
20°-30°	8218.0	23.0
30°-40°	8682.2	24.3
40°-50°	6122.8	17.1
50°-60°	3073.7	8.6
60°-70°	901.0	2.5
70°-80°	520.9	1.5
80°-90°	271.9	0.8
90°-100°	94.2	0.3
100°-110°	94.8	0.3
110°-120°	89.7	0.3
120°-130°	79.7	0.2
130°-140°	68.5	0.2
140°-150°	56.5	0.2
150°-160°	39.3	0.1
160°-170°	20.6	0.1
170°-180°	6.2	0.0
0°-30°	15654.7	43.8
0°-40°	24336.9	68.0
0°-60°	33533.3	93.7
0°-90°	35227.1	98.5
90°-120°	278.6	0.8
90°-150°	483.4	1.4
90°-180°	549.0	1.5
0°-180°	35776.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20366	
5°	20290	###
15°	19535	5509
25°	17924	8218
35°	14150	8682
45°	7827	6123
55°	3484	3074
65°	880	901
75°	494	521
85°	254	237
90°	86	59
95°	86	71
105°	90	95
115°	91	90
125°	88	80
135°	88	68
145°	90	57
155°	84	39
165°	71	21
175°	64	6
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20365.6
2.5°	20332.9
5°	20290.5
7.5°	20180.3
10°	19990.2
12.5°	19774.7
15°	19534.9
17.5°	19234.6
20°	18858.1
22.5°	18437.9
25°	17924.5
27.5°	17285.1
30°	16438.8
32.5°	15432.5
35°	14150.2
37.5°	12507.1
40°	10836.1
42.5°	9240.1
45°	7827.1
47.5°	6629.5
50°	5590.6
52.5°	4555.3
55°	3483.7
57.5°	2349.1
60°	1369.5
62.5°	1092.2
65°	880.3
67.5°	702.3
70°	582.4
72.5°	531.6
75°	494.0
77.5°	455.3
80°	399.6
82.5°	330.6
85°	254.3
87.5°	170.7
90°	86.0
92.5°	84.8
95°	86.0
97.5°	87.2
100°	88.4
102.5°	89.6
105°	89.6
107.5°	89.6
110°	90.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	90.8
115°	90.8
117.5°	89.6
120°	89.6
122.5°	89.6
125°	88.4
127.5°	88.4
130°	88.4
132.5°	88.4
135°	88.4
137.5°	88.4
140°	88.4
142.5°	89.6
145°	89.6
147.5°	90.8
150°	92.0
152.5°	88.4
155°	83.5
157.5°	81.1
160°	78.7
162.5°	75.1
165°	71.4
167.5°	69.0
170°	66.6
172.5°	64.2
175°	64.2
177.5°	65.4
180°	65.4

(END OF REPORT)