

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: P1504984

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504984
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-83)
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-04-CLER-PS (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

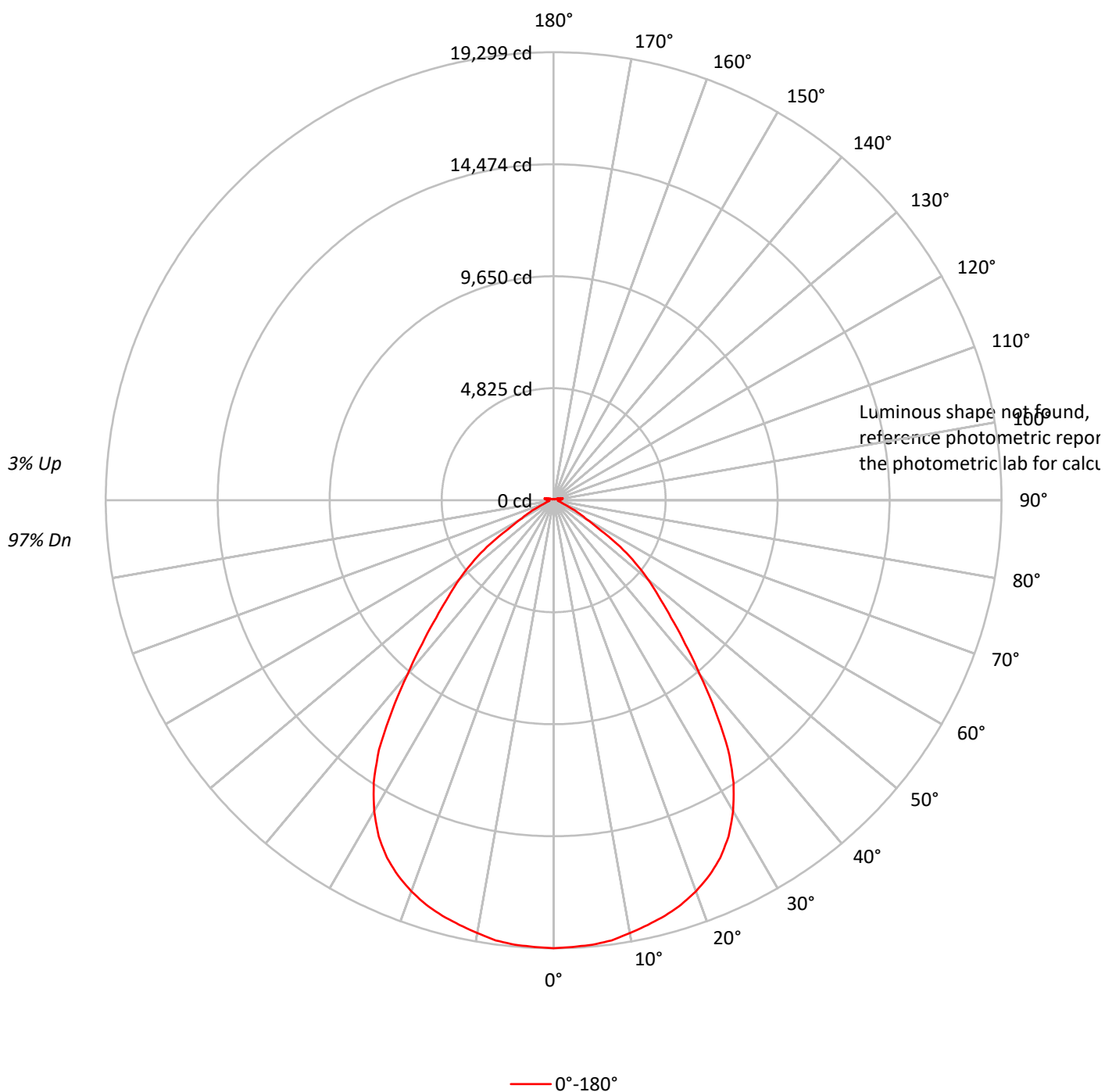
Lumens per Lamp: N/A
Luminaire Lumens: 34116.3 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





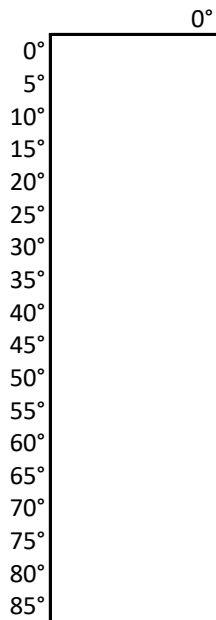
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	104	97	92	88	101	95	90	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	59	49	42	37	47	41	37	46	41	37	45	40	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°	1825.9	5.4
10°-20°	5227.7	15.3
20°-30°	7780.6	22.8
30°-40°	8036.7	23.6
40°-50°	5616.1	16.5
50°-60°	3068.3	9.0
60°-70°	942.9	2.8
70°-80°	332.3	1.0
80°-90°	212.1	0.6
90°-100°	360.8	1.1
100°-110°	361.8	1.1
110°-120°	164.0	0.5
120°-130°	64.2	0.2
130°-140°	43.5	0.1
140°-150°	36.5	0.1
150°-160°	25.8	0.1
160°-170°	13.3	0.0
170°-180°	3.9	0.0
0°-30°	14834.3	43.5
0°-40°	22871.0	67.0
0°-60°	31555.4	92.5
0°-90°	33042.6	96.9
90°-120°	886.5	2.6
90°-150°	1030.7	3.0
90°-180°	1074.0	3.1
0°-180°	34116.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19299	
5°	19220	###
15°	18530	5228
25°	16992	7781
35°	13113	8037
45°	7155	5616
55°	3503	3068
65°	906	943
75°	310	332
85°	177	155
90°	227	127
95°	340	291
105°	351	362
115°	159	164
125°	68	64
135°	56	43
145°	58	37
155°	56	26
165°	46	13
175°	40	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19299.1
2.5°	19258.3
5°	19219.7
7.5°	19124.4
10°	18932.7
12.5°	18736.4
15°	18529.9
17.5°	18270.1
20°	17927.5
22.5°	17506.6
25°	16991.5
27.5°	16324.4
30°	15471.3
32.5°	14428.7
35°	13112.7
37.5°	11443.8
40°	9805.6
42.5°	8388.6
45°	7155.3
47.5°	6142.2
50°	5326.5
52.5°	4439.3
55°	3503.4
57.5°	2399.5
60°	1642.8
62.5°	1279.7
65°	906.5
67.5°	605.8
70°	436.8
72.5°	357.4
75°	309.7
77.5°	264.3
80°	219.0
82.5°	186.1
85°	177.0
87.5°	191.7
90°	226.9
92.5°	283.6
95°	340.4
97.5°	384.6
100°	402.8
102.5°	386.9
105°	350.6
107.5°	301.8
110°	249.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	200.8
115°	158.8
117.5°	123.7
120°	97.6
122.5°	79.4
125°	68.1
127.5°	60.1
130°	56.7
132.5°	55.6
135°	55.6
137.5°	56.7
140°	56.7
142.5°	57.9
145°	57.9
147.5°	59.0
150°	59.0
152.5°	57.9
155°	55.6
157.5°	53.3
160°	51.1
162.5°	48.8
165°	46.5
167.5°	44.2
170°	42.0
172.5°	40.8
175°	39.7
177.5°	39.7
180°	39.7

(END OF REPORT)