

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: P1505031

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505031
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-68)
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-TRWH-PS (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

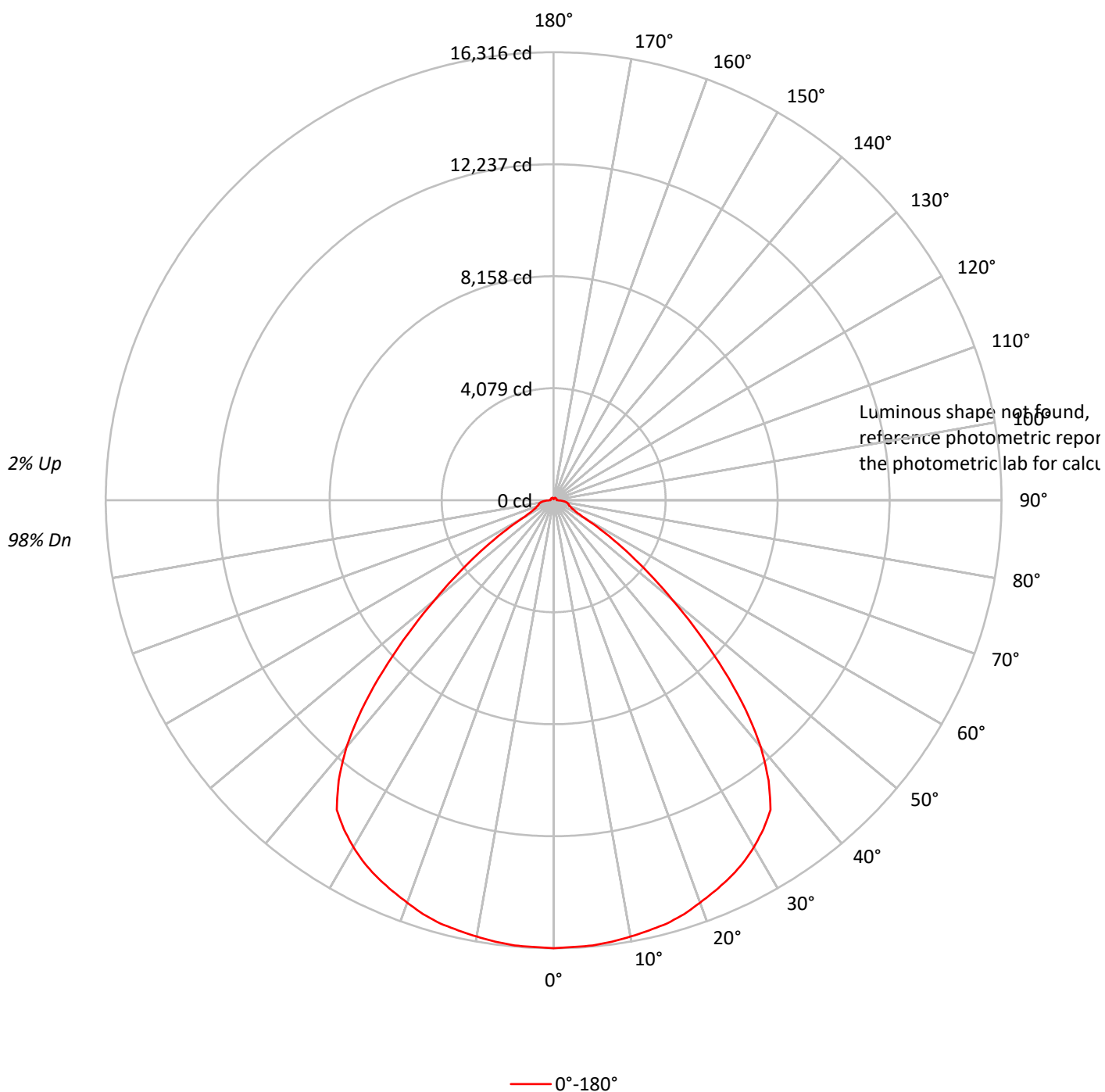
Lumens per Lamp: N/A
Luminaire Lumens: 33575.7 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





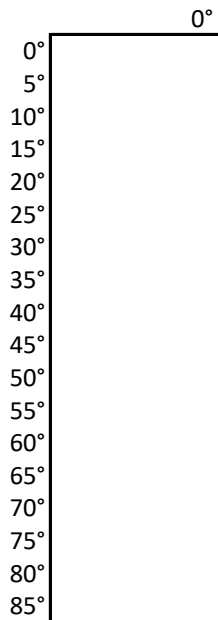
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98			
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87			
2	103	97	91	87	100	95	90	86	91	87	83	88	84	81	84	82	79	77			
3	96	87	81	75	93	86	80	75	83	77	73	80	75	72	77	73	70	68			
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63	61			
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56	54			
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	51	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41	40			
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	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°	1548.9	4.6
10°-20°	4505.0	13.4
20°-30°	6995.3	20.8
30°-40°	8448.6	25.2
40°-50°	6716.1	20.0
50°-60°	2938.8	8.8
60°-70°	825.9	2.5
70°-80°	590.5	1.8
80°-90°	356.5	1.1
90°-100°	122.7	0.4
100°-110°	118.7	0.4
110°-120°	109.2	0.3
120°-130°	94.8	0.3
130°-140°	78.5	0.2
140°-150°	62.6	0.2
150°-160°	40.6	0.1
160°-170°	18.4	0.1
170°-180°	4.7	0.0
0°-30°	13049.3	38.9
0°-40°	21497.8	64.0
0°-60°	31152.7	92.8
0°-90°	32925.7	98.1
90°-120°	350.5	1.0
90°-150°	586.4	1.7
90°-180°	650.0	1.9
0°-180°	33575.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16316	
5°	16277	###
15°	15956	4505
25°	15173	6995
35°	13773	8449
45°	8781	6716
55°	3231	2939
65°	781	826
75°	560	590
85°	345	308
90°	120	80
95°	111	91
105°	112	119
115°	110	109
125°	106	95
135°	101	79
145°	100	63
155°	87	41
165°	62	18
175°	47	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16316.2
2.5°	16286.2
5°	16277.3
7.5°	16219.5
10°	16135.0
12.5°	16048.2
15°	15955.9
17.5°	15806.9
20°	15594.5
22.5°	15389.9
25°	15173.1
27.5°	14912.9
30°	14588.2
32.5°	14214.5
35°	13773.1
37.5°	12859.0
40°	11743.7
42.5°	10368.2
45°	8781.4
47.5°	7177.9
50°	5655.6
52.5°	4357.9
55°	3231.4
57.5°	2209.5
60°	1284.3
62.5°	929.6
65°	780.6
67.5°	681.6
70°	619.4
72.5°	588.2
75°	560.4
77.5°	532.6
80°	487.1
82.5°	427.0
85°	344.7
87.5°	233.5
90°	120.1
92.5°	110.1
95°	111.2
97.5°	112.3
100°	112.3
102.5°	112.3
105°	112.3
107.5°	112.3
110°	111.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	111.2
115°	110.1
117.5°	109.0
120°	107.9
122.5°	106.8
125°	105.6
127.5°	104.5
130°	103.4
132.5°	102.3
135°	101.2
137.5°	100.1
140°	100.1
142.5°	100.1
145°	100.1
147.5°	99.0
150°	97.9
152.5°	93.4
155°	86.7
157.5°	81.2
160°	75.6
162.5°	68.9
165°	62.3
167.5°	58.9
170°	53.4
172.5°	50.0
175°	46.7
177.5°	45.6
180°	45.6

(END OF REPORT)