

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: P1505344

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505344
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-95)
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 (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

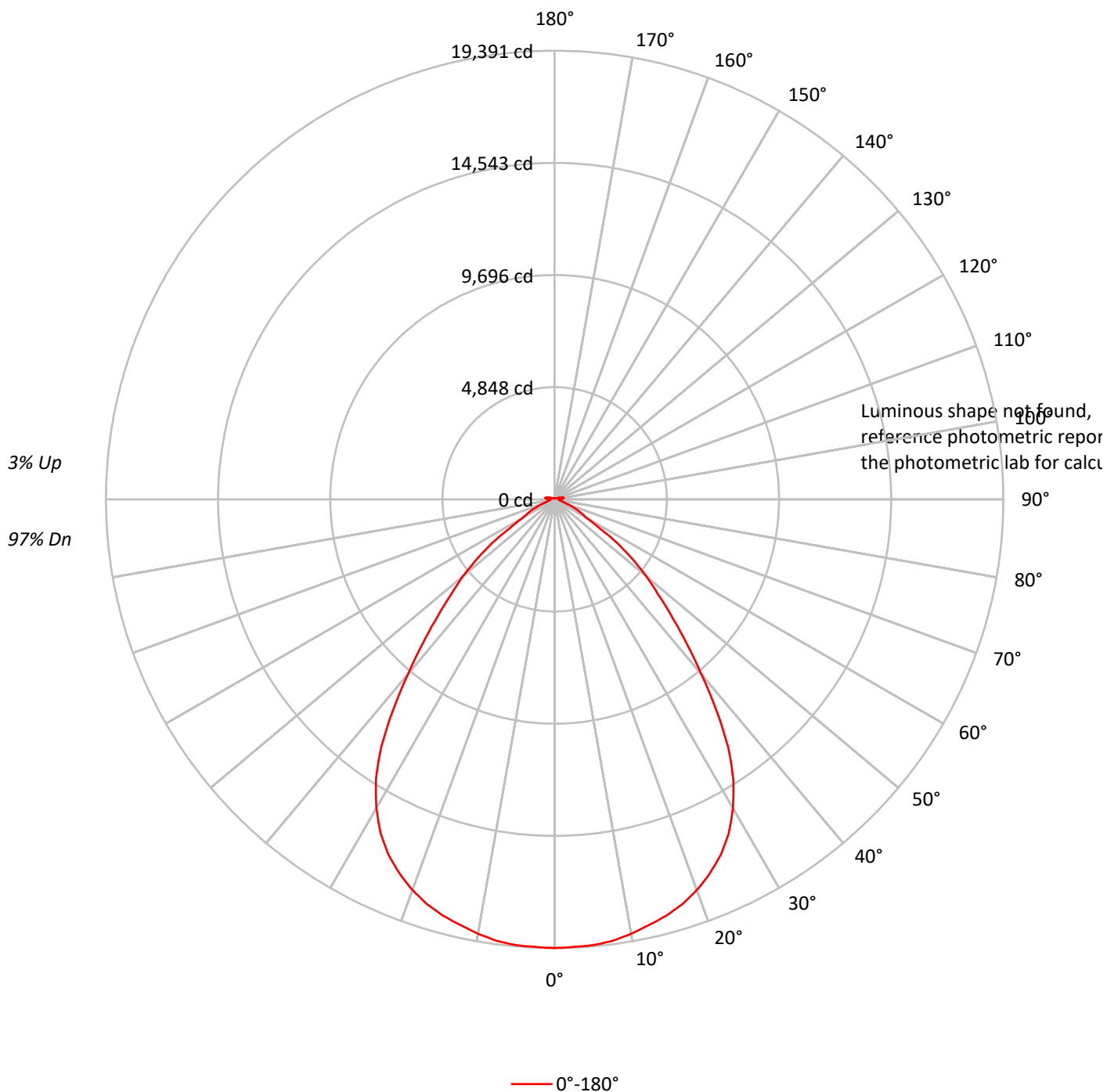
Lumens per Lamp: N/A
Luminaire Lumens: 34093.9 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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





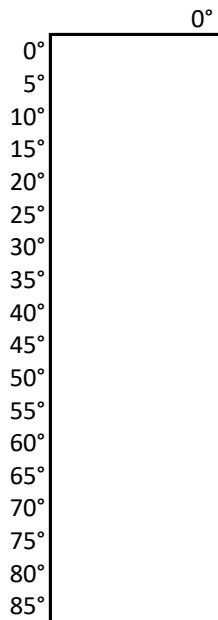
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	103	97	92	88	101	95	90	86	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	77	74	71	69			
4	90	80	73	68	88	79	72	67	76	70	66	74	69	65	71	67	64	62			
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	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	45	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	60	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°	1837.2	5.4
10°-20°	5251.9	15.4
20°-30°	7770.3	22.8
30°-40°	8027.1	23.5
40°-50°	5589.5	16.4
50°-60°	2922.4	8.6
60°-70°	1055.5	3.1
70°-80°	361.6	1.1
80°-90°	218.2	0.6
90°-100°	382.7	1.1
100°-110°	347.8	1.0
110°-120°	151.4	0.4
120°-130°	59.9	0.2
130°-140°	41.8	0.1
140°-150°	34.1	0.1
150°-160°	24.3	0.1
160°-170°	13.7	0.0
170°-180°	4.4	0.0
0°-30°	14859.4	43.6
0°-40°	22886.5	67.1
0°-60°	31398.3	92.1
0°-90°	33033.6	96.9
90°-120°	882.0	2.6
90°-150°	1017.8	3.0
90°-180°	1060.0	3.1
0°-180°	34093.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19391	
5°	19340	###
15°	18624	5252
25°	16964	7770
35°	13073	8027
45°	7143	5589
55°	3305	2922
65°	1077	1055
75°	314	362
85°	183	157
90°	244	137
95°	369	307
105°	334	348
115°	145	151
125°	64	60
135°	53	42
145°	54	34
155°	52	24
165°	48	14
175°	46	4
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19391.0
2.5°	19360.4
5°	19340.0
7.5°	19241.3
10°	19060.9
12.5°	18845.3
15°	18624.1
17.5°	18341.6
20°	17967.2
22.5°	17511.1
25°	16964.3
27.5°	16280.2
30°	15410.0
32.5°	14374.2
35°	13072.9
37.5°	11465.3
40°	9869.1
42.5°	8419.2
45°	7142.9
47.5°	6050.3
50°	5160.9
52.5°	4236.3
55°	3304.8
57.5°	2269.0
60°	1563.4
62.5°	1335.3
65°	1076.6
67.5°	801.0
70°	569.5
72.5°	410.7
75°	314.3
77.5°	256.4
80°	212.2
82.5°	186.1
85°	182.7
87.5°	203.1
90°	243.9
92.5°	307.5
95°	368.7
97.5°	403.9
100°	403.9
102.5°	375.5
105°	333.5
107.5°	284.8
110°	233.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	186.1
115°	145.2
117.5°	113.5
120°	89.6
122.5°	73.7
125°	63.5
127.5°	56.7
130°	54.5
132.5°	53.3
135°	53.3
137.5°	54.5
140°	55.6
142.5°	54.5
145°	54.5
147.5°	53.3
150°	53.3
152.5°	53.3
155°	52.2
157.5°	52.2
160°	51.1
162.5°	49.9
165°	47.6
167.5°	46.5
170°	45.4
172.5°	45.4
175°	46.5
177.5°	46.5
180°	47.6

(END OF REPORT)