

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: P1505352

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505352
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 (3500K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

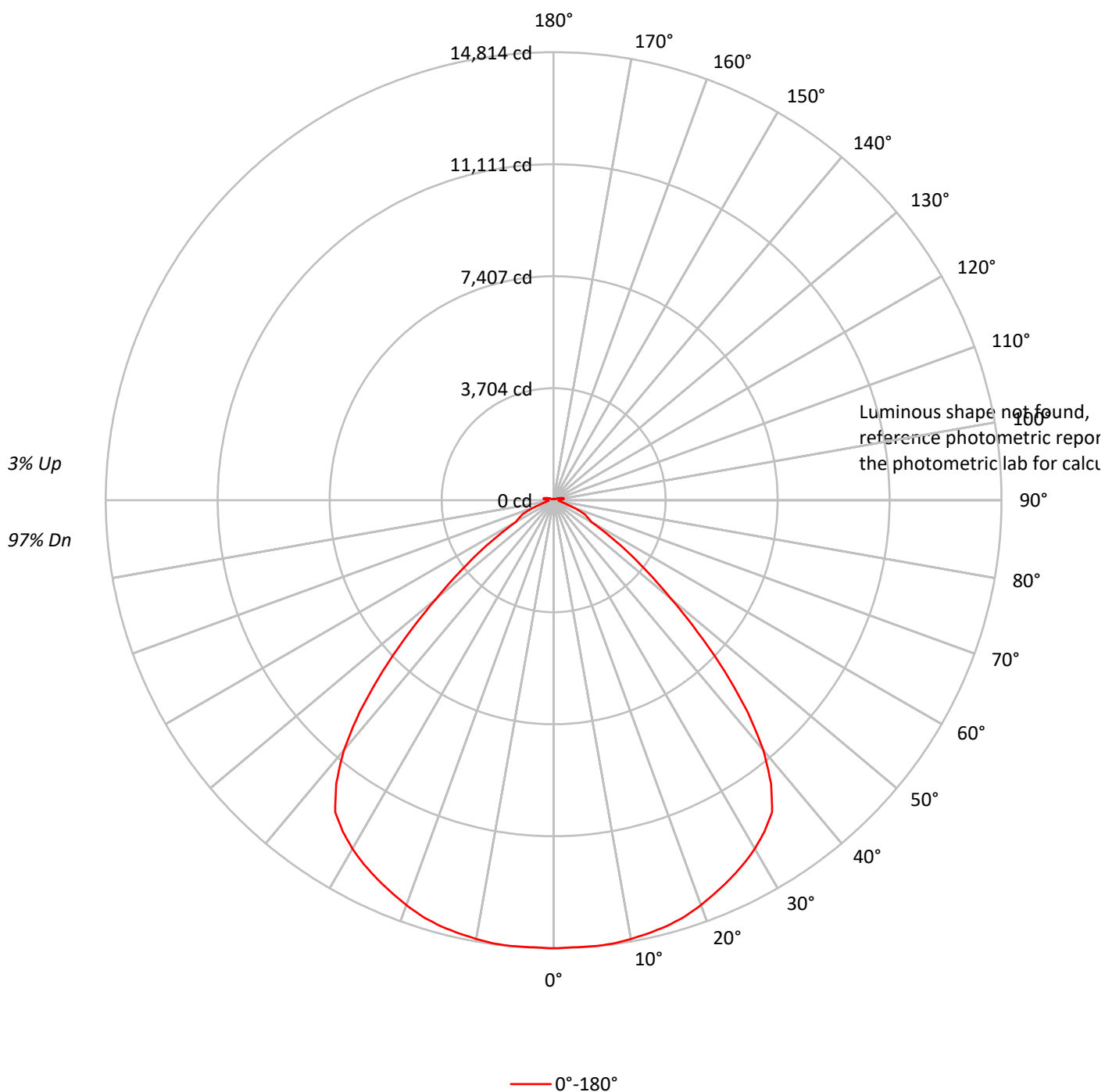
Lumens per Lamp: N/A
Luminaire Lumens: 31140.9 lumens
Efficiency: N/A
Efficacy: 158.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 196.7
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		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99			
1	111	107	104	101	108	105	102	99	100	97	95	96	94	92	92	90	89	89	89	89	89	87			
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79	79	79	79	79	76			
3	96	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70	70	70	70	70	68			
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62	62	62	62	62	60			
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55	55	55	55	55	54			
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50	50	50	50	50	48			
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45	45	45	45	45	43			
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	41	41	41	41	39			
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	37	37	37	37	36			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	34	34	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°	1411.2	4.5
10°-20°	4113.2	13.2
20°-30°	6375.3	20.5
30°-40°	7733.6	24.8
40°-50°	6111.6	19.6
50°-60°	2744.0	8.8
60°-70°	1107.6	3.6
70°-80°	412.0	1.3
80°-90°	195.3	0.6
90°-100°	311.0	1.0
100°-110°	304.9	1.0
110°-120°	143.2	0.5
120°-130°	59.6	0.2
130°-140°	42.7	0.1
140°-150°	34.4	0.1
150°-160°	23.8	0.1
160°-170°	13.4	0.0
170°-180°	4.2	0.0
0°-30°	11899.7	38.2
0°-40°	19633.4	63.0
0°-60°	28488.9	91.5
0°-90°	30203.7	97.0
90°-120°	759.2	2.4
90°-150°	895.8	2.9
90°-180°	937.0	3.0
0°-180°	31140.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14814	
5°	14807	###
15°	14564	4113
25°	13816	6375
35°	12594	7734
45°	7990	6112
55°	3005	2744
65°	1164	1108
75°	350	412
85°	163	146
90°	194	110
95°	297	251
105°	294	305
115°	139	143
125°	63	60
135°	55	43
145°	54	34
155°	51	24
165°	47	13
175°	44	4
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14814
2.5°	14799
5°	14807
7.5°	14793
10°	14728
12.5°	14654
15°	14564
17.5°	14432
20°	14245
22.5°	14033
25°	13816
27.5°	13578
30°	13307
32.5°	12981
35°	12594
37.5°	11810
40°	10790
42.5°	9491
45°	7990
47.5°	6473
50°	5072
52.5°	3946
55°	3005
57.5°	2157
60°	1456
62.5°	1288
65°	1164
67.5°	951
70°	701
72.5°	484
75°	350
77.5°	272
80°	216
82.5°	180
85°	163
87.5°	168
90°	194
92.5°	245
95°	297
97.5°	332
100°	340
102.5°	324
105°	294
107.5°	256
110°	214

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	175
115°	139
117.5°	109
120°	88
122.5°	73
125°	63
127.5°	57
130°	55
132.5°	54
135°	55
137.5°	56
140°	56
142.5°	56
145°	54
147.5°	54
150°	53
152.5°	52
155°	51
157.5°	51
160°	50
162.5°	49
165°	47
167.5°	45
170°	43
172.5°	43
175°	44
177.5°	45
180°	45

(END OF REPORT)