

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: P1505351

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505351
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-94)
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_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

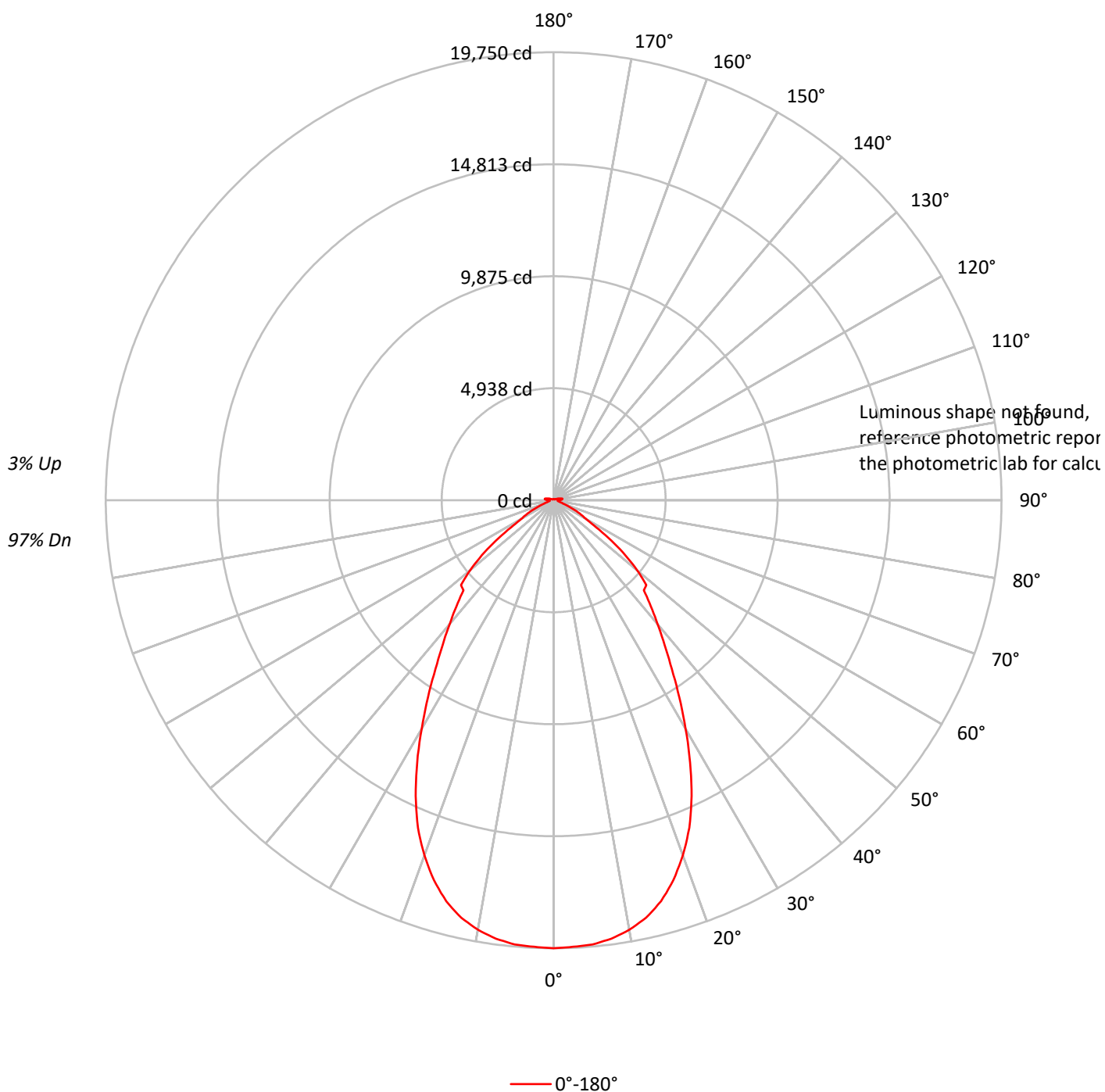
Lumens per Lamp: N/A
Luminaire Lumens: 29099.3 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 196
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



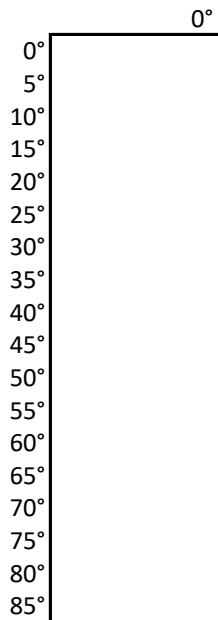
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	45	41	39		
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1862.6	6.4
10°-20°	5111.9	17.6
20°-30°	6551.3	22.5
30°-40°	5724.2	19.7
40°-50°	4523.2	15.5
50°-60°	2784.6	9.6
60°-70°	1027.2	3.5
70°-80°	306.4	1.1
80°-90°	210.5	0.7
90°-100°	379.9	1.3
100°-110°	330.0	1.1
110°-120°	134.9	0.5
120°-130°	51.2	0.2
130°-140°	35.2	0.1
140°-150°	28.7	0.1
150°-160°	20.9	0.1
160°-170°	12.3	0.0
170°-180°	4.2	0.0
0°-30°	13525.7	46.5
0°-40°	19250.0	66.2
0°-60°	26557.9	91.3
0°-90°	28102.0	96.6
90°-120°	844.8	2.9
90°-150°	959.9	3.3
90°-180°	997.0	3.4
0°-180°	29099.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19750	
5°	19660	###
15°	18302	5112
25°	14395	6551
35°	9076	5724
45°	5620	4523
55°	3122	2785
65°	1040	1027
75°	265	306
85°	176	148
90°	251	140
95°	366	303
105°	317	330
115°	128	135
125°	54	51
135°	45	35
145°	46	29
155°	45	21
165°	43	12
175°	44	4
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19750
2.5°	19703
5°	19660
7.5°	19495
10°	19230
12.5°	18847
15°	18302
17.5°	17560
20°	16665
22.5°	15631
25°	14395
27.5°	13031
30°	11643
32.5°	10309
35°	9076
37.5°	8031
40°	7129
42.5°	6341
45°	5620
47.5°	5539
50°	4818
52.5°	3989
55°	3122
57.5°	2213
60°	1620
62.5°	1352
65°	1040
67.5°	725
70°	485
72.5°	339
75°	265
77.5°	222
80°	188
82.5°	172
85°	176
87.5°	204
90°	251
92.5°	312
95°	366
97.5°	395
100°	390
102.5°	360
105°	317
107.5°	266
110°	214

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	167
115°	128
117.5°	99
120°	78
122.5°	63
125°	54
127.5°	48
130°	46
132.5°	45
135°	45
137.5°	46
140°	46
142.5°	46
145°	46
147.5°	45
150°	46
152.5°	45
155°	45
157.5°	45
160°	45
162.5°	44
165°	43
167.5°	43
170°	42
172.5°	43
175°	44
177.5°	46
180°	46

(END OF REPORT)