

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: P1504991

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504991
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-82)
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 (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

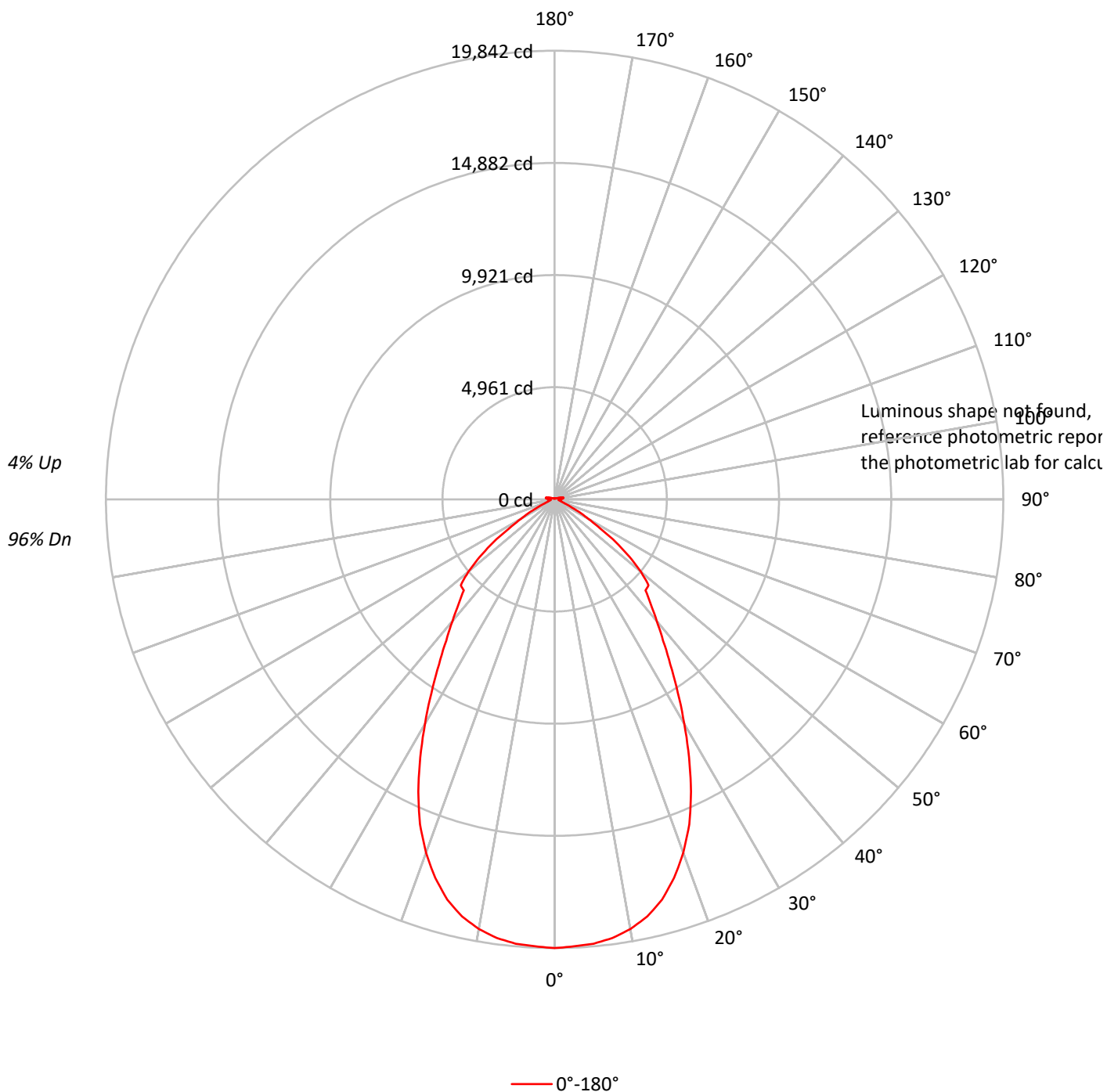
Lumens per Lamp: N/A
Luminaire Lumens: 29002.1 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 195.8
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





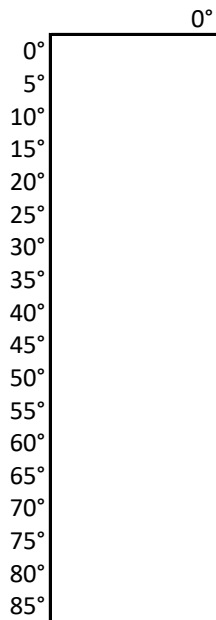
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	96			
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	89	89	89	89	87			
2	103	97	92	88	101	95	90	87	91	87	84	88	84	82	84	82	79	79	79	79	79	77			
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	71	71	71	71	69			
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	58	58	58	58	56			
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	46			
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	44	44	44	44	43			
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	44	41	41	41	41	41	39			
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	38	38	38	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°	1869.1	6.4
10°-20°	5116.1	17.6
20°-30°	6493.1	22.4
30°-40°	5625.5	19.4
40°-50°	4551.5	15.7
50°-60°	2931.1	10.1
60°-70°	900.6	3.1
70°-80°	289.9	1.0
80°-90°	207.3	0.7
90°-100°	364.6	1.3
100°-110°	346.9	1.2
110°-120°	147.3	0.5
120°-130°	55.2	0.2
130°-140°	36.1	0.1
140°-150°	30.3	0.1
150°-160°	21.8	0.1
160°-170°	12.1	0.0
170°-180°	3.7	0.0
0°-30°	13478.3	46.5
0°-40°	19103.8	65.9
0°-60°	26586.3	91.7
0°-90°	27984.1	96.5
90°-120°	858.8	3.0
90°-150°	980.4	3.4
90°-180°	1018.0	3.5
0°-180°	29002.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19842	
5°	19727	###
15°	18328	5116
25°	14267	6493
35°	8909	5626
45°	5683	4551
55°	3308	2931
65°	831	901
75°	269	290
85°	173	148
90°	236	132
95°	346	292
105°	336	347
115°	141	147
125°	58	55
135°	46	36
145°	48	30
155°	47	22
165°	42	12
175°	39	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19842
2.5°	19781
5°	19727
7.5°	19562
10°	19293
12.5°	18898
15°	18328
17.5°	17551
20°	16628
22.5°	15549
25°	14267
27.5°	12866
30°	11461
32.5°	10141
35°	8909
37.5°	7877
40°	7023
42.5°	6287
45°	5683
47.5°	5633
50°	4979
52.5°	4179
55°	3308
57.5°	2367
60°	1710
62.5°	1258
65°	831
67.5°	531
70°	379
72.5°	308
75°	269
77.5°	233
80°	198
82.5°	174
85°	173
87.5°	196
90°	236
92.5°	292
95°	346
97.5°	384
100°	395
102.5°	376
105°	336
107.5°	284
110°	231

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	182
115°	141
117.5°	109
120°	85
122.5°	69
125°	58
127.5°	51
130°	48
132.5°	46
135°	46
137.5°	47
140°	47
142.5°	48
145°	48
147.5°	49
150°	49
152.5°	48
155°	47
157.5°	46
160°	45
162.5°	44
165°	42
167.5°	41
170°	40
172.5°	39
175°	39
177.5°	38
180°	38

(END OF REPORT)