

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: P1505378

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505378
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 (6500K_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

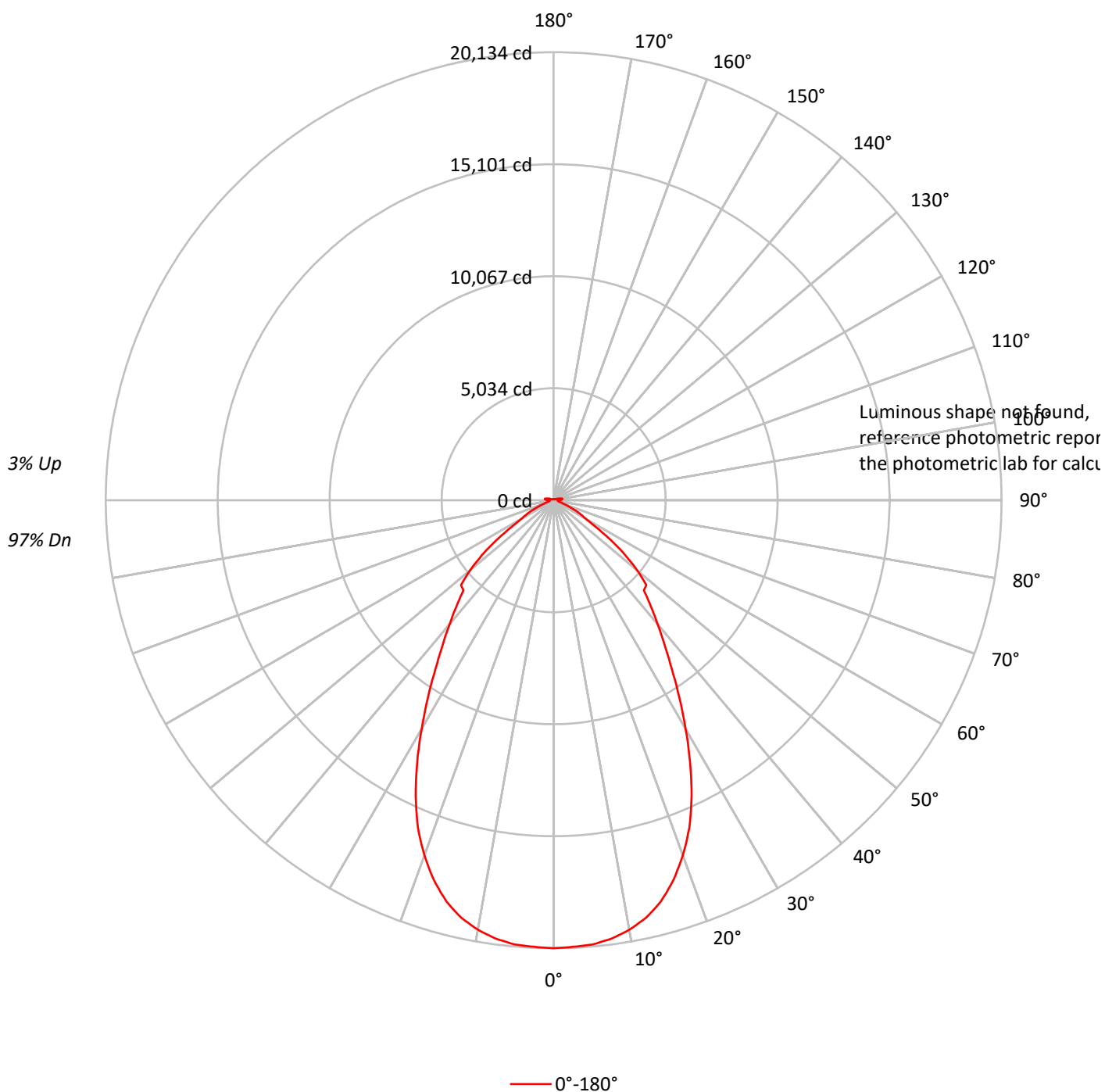
Lumens per Lamp: N/A
Luminaire Lumens: 29665.1 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 200.1
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



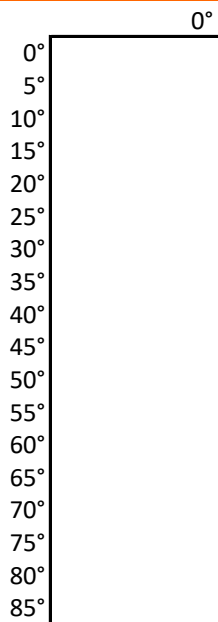
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		104	104	104		99	99	99
1	111	107	104	101	108	105	102	99		100	98	96		96	94	92		92	90	89
2	103	97	92	88	101	95	90	86		91	87	84		88	84	82		84	82	79
3	96	88	82	77	94	87	81	76		83	78	74		80	76	73		77	74	71
4	90	80	73	68	88	79	73	68		76	71	66		74	69	65		71	67	64
5	84	74	66	61	82	72	66	61		70	64	60		68	63	59		66	61	58
6	79	68	60	55	77	67	60	55		65	59	54		63	57	53		61	56	53
7	74	62	55	50	72	62	55	50		60	54	49		58	53	49		57	52	48
8	69	58	51	46	68	57	50	46		56	49	45		54	49	45		53	48	44
9	65	54	47	42	64	53	46	42		52	46	42		51	45	41		49	45	41
10	62	50	43	39	60	50	43	39		49	43	38		47	42	38		46	41	38

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1898.8	6.4
10°-20°	5211.3	17.6
20°-30°	6678.7	22.5
30°-40°	5835.6	19.7
40°-50°	4611.2	15.5
50°-60°	2838.8	9.6
60°-70°	1047.2	3.5
70°-80°	312.4	1.1
80°-90°	214.6	0.7
90°-100°	387.3	1.3
100°-110°	336.4	1.1
110°-120°	137.5	0.5
120°-130°	52.1	0.2
130°-140°	35.9	0.1
140°-150°	29.3	0.1
150°-160°	21.3	0.1
160°-170°	12.6	0.0
170°-180°	4.2	0.0
0°-30°	13788.7	46.5
0°-40°	19624.3	66.2
0°-60°	27074.3	91.3
0°-90°	28648.4	96.6
90°-120°	861.2	2.9
90°-150°	978.6	3.3
90°-180°	1017.0	3.4
0°-180°	29665.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20134	
5°	20042	###
15°	18658	5211
25°	14675	6679
35°	9252	5836
45°	5729	4611
55°	3183	2839
65°	1060	1047
75°	270	312
85°	179	151
90°	256	142
95°	373	309
105°	323	336
115°	130	137
125°	55	52
135°	46	36
145°	47	29
155°	46	21
165°	44	13
175°	45	4
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20134.0
2.5°	20086.1
5°	20042.3
7.5°	19874.1
10°	19603.9
12.5°	19213.5
15°	18657.9
17.5°	17901.4
20°	16989.0
22.5°	15934.9
25°	14674.9
27.5°	13284.4
30°	11869.4
32.5°	10509.5
35°	9252.5
37.5°	8187.2
40°	7267.6
42.5°	6464.3
45°	5729.3
47.5°	5646.7
50°	4911.7
52.5°	4066.6
55°	3182.7
57.5°	2256.0
60°	1651.5
62.5°	1378.3
65°	1060.2
67.5°	739.1
70°	494.4
72.5°	345.6
75°	270.2
77.5°	226.3
80°	191.7
82.5°	175.3
85°	179.4
87.5°	208.0
90°	255.9
92.5°	318.1
95°	373.1
97.5°	402.7
100°	397.6
102.5°	367.0
105°	323.2
107.5°	271.2
110°	218.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	170.2
115°	130.5
117.5°	100.9
120°	79.5
122.5°	64.2
125°	55.0
127.5°	48.9
130°	46.9
132.5°	45.9
135°	45.9
137.5°	46.9
140°	46.9
142.5°	46.9
145°	46.9
147.5°	45.9
150°	46.9
152.5°	45.9
155°	45.9
157.5°	45.9
160°	45.9
162.5°	44.9
165°	43.8
167.5°	43.8
170°	42.8
172.5°	43.8
175°	44.9
177.5°	46.9
180°	46.9

(END OF REPORT)