

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: P1505339

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505339
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 (3000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

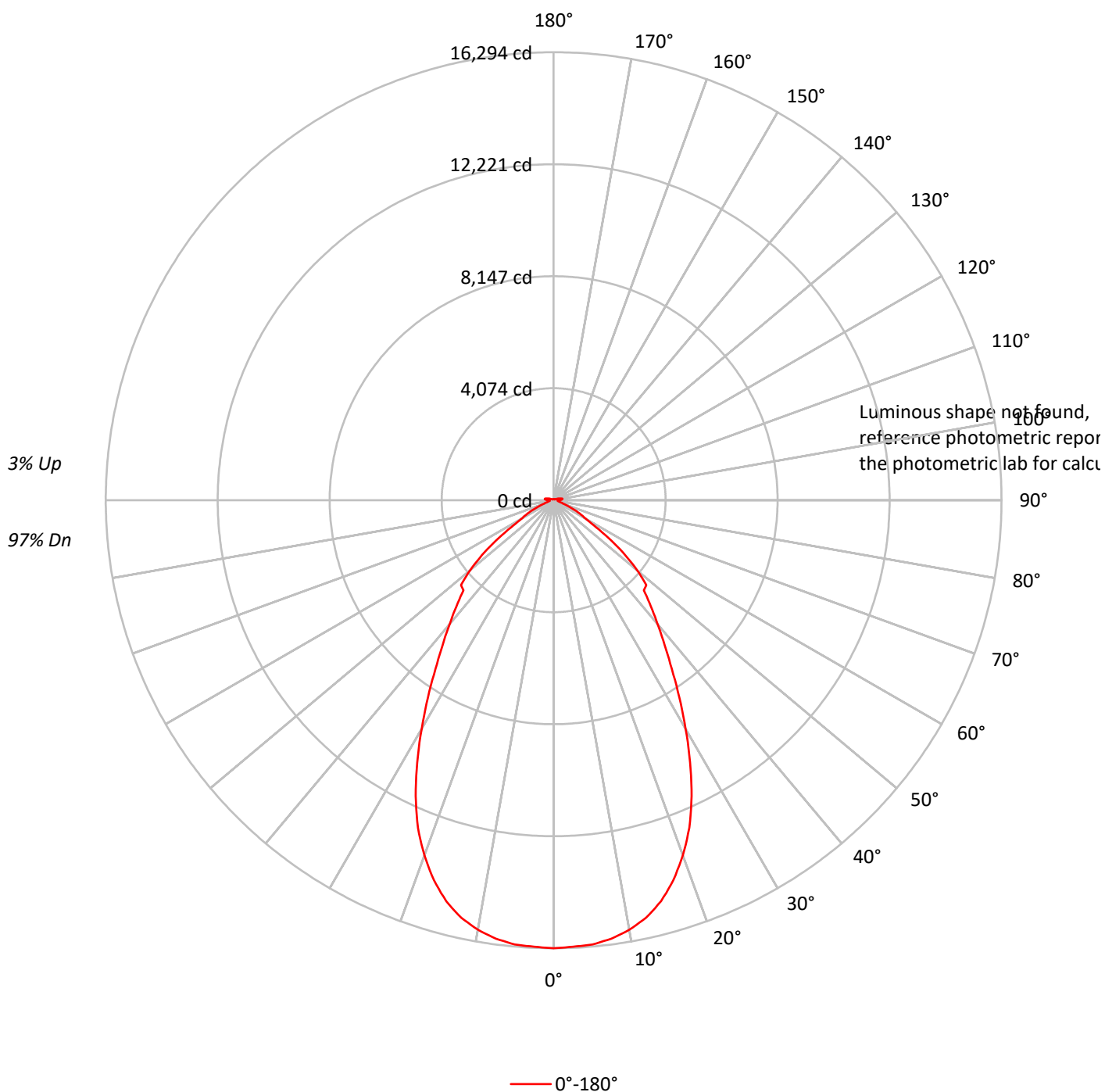
Lumens per Lamp: N/A
Luminaire Lumens: 24007.1 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.4
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





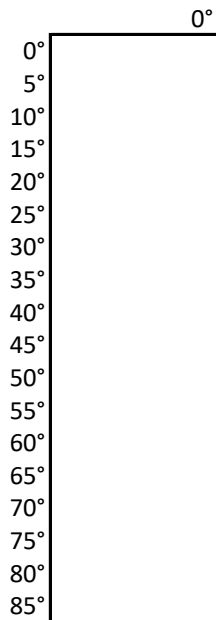
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1536.6	6.4
10°-20°	4217.3	17.6
20°-30°	5404.8	22.5
30°-40°	4722.5	19.7
40°-50°	3731.7	15.5
50°-60°	2297.3	9.6
60°-70°	847.4	3.5
70°-80°	252.8	1.1
80°-90°	173.7	0.7
90°-100°	313.5	1.3
100°-110°	272.3	1.1
110°-120°	111.3	0.5
120°-130°	42.3	0.2
130°-140°	29.1	0.1
140°-150°	23.7	0.1
150°-160°	17.2	0.1
160°-170°	10.2	0.0
170°-180°	3.4	0.0
0°-30°	11158.8	46.5
0°-40°	15881.3	66.2
0°-60°	21910.3	91.3
0°-90°	23184.2	96.6
90°-120°	697.0	2.9
90°-150°	792.1	3.3
90°-180°	823.0	3.4
0°-180°	24007.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16294	
5°	16220	###
15°	15099	4217
25°	11876	5405
35°	7488	4723
45°	4636	3732
55°	2576	2297
65°	858	847
75°	219	253
85°	145	122
90°	207	115
95°	302	250
105°	262	272
115°	106	111
125°	45	42
135°	37	29
145°	38	24
155°	37	17
165°	36	10
175°	36	3
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16293.8
2.5°	16255.0
5°	16219.6
7.5°	16083.4
10°	15864.8
12.5°	15548.8
15°	15099.2
17.5°	14487.1
20°	13748.7
22.5°	12895.6
25°	11875.9
27.5°	10750.6
30°	9605.5
32.5°	8505.0
35°	7487.7
37.5°	6625.6
40°	5881.4
42.5°	5231.3
45°	4636.5
47.5°	4569.7
50°	3974.9
52.5°	3290.9
55°	2575.7
57.5°	1825.7
60°	1336.5
62.5°	1115.4
65°	858.0
67.5°	598.1
70°	400.1
72.5°	279.7
75°	218.6
77.5°	183.2
80°	155.1
82.5°	141.9
85°	145.2
87.5°	168.3
90°	207.1
92.5°	257.4
95°	302.0
97.5°	325.9
100°	321.8
102.5°	297.0
105°	261.5
107.5°	219.5
110°	176.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	137.8
115°	105.6
117.5°	81.7
120°	64.4
122.5°	52.0
125°	44.6
127.5°	39.6
130°	38.0
132.5°	37.1
135°	37.1
137.5°	38.0
140°	38.0
142.5°	38.0
145°	38.0
147.5°	37.1
150°	38.0
152.5°	37.1
155°	37.1
157.5°	37.1
160°	37.1
162.5°	36.3
165°	35.5
167.5°	35.5
170°	34.7
172.5°	35.5
175°	36.3
177.5°	38.0
180°	38.0

(END OF REPORT)