

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: P1505529

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505529
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-120)
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-06-CLER-PS (3500K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

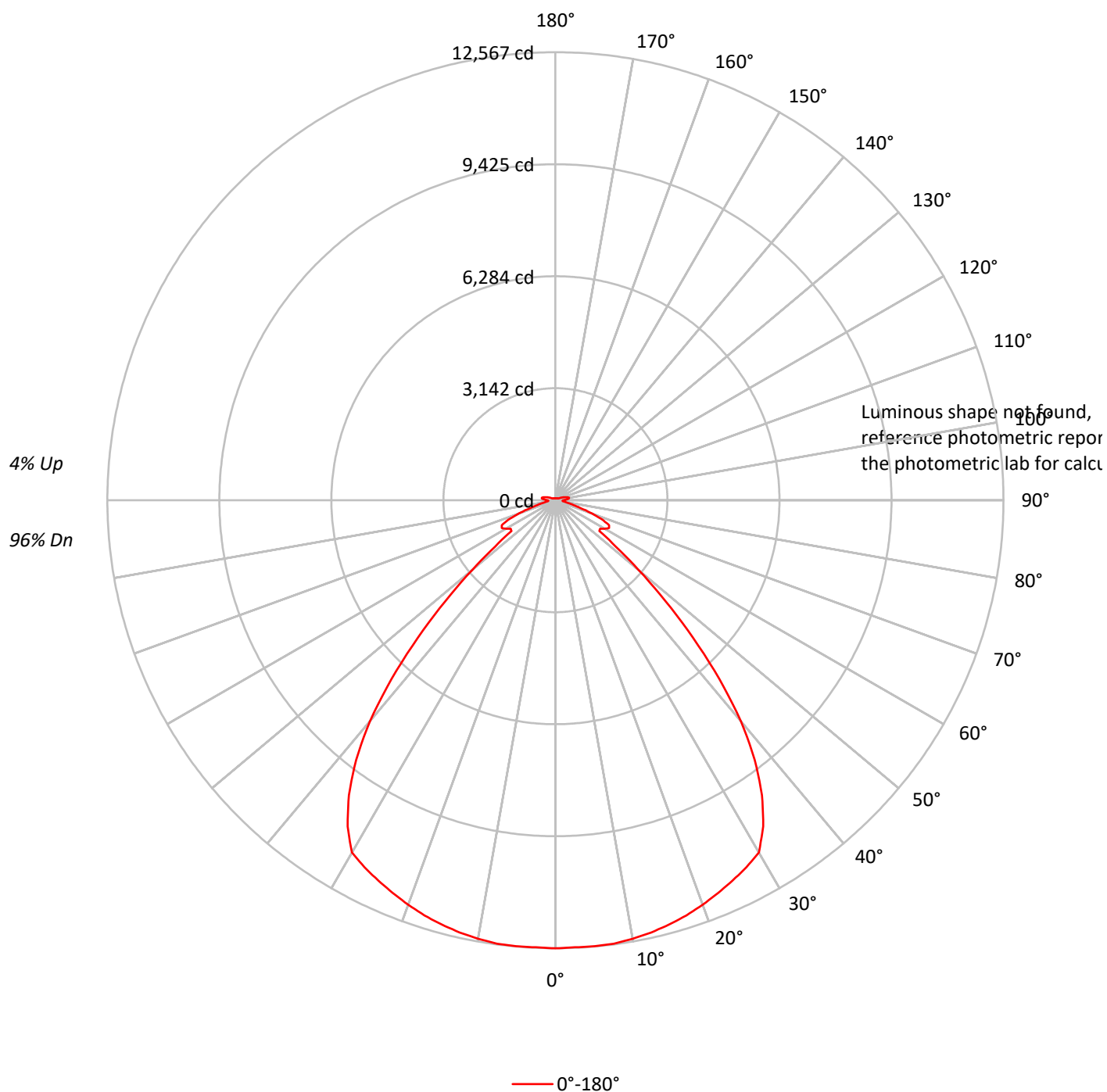
Lumens per Lamp: N/A
Luminaire Lumens: 25672.7 lumens
Efficiency: N/A
Efficacy: 163.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 157.5
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



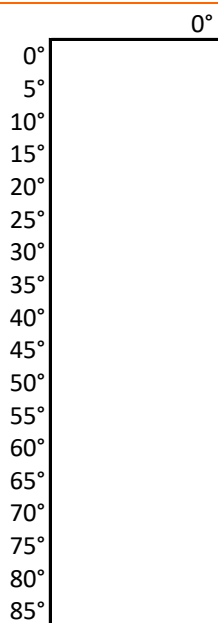
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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		103	103	103		98	98	98
1	110	106	103	100	107	104	100	98		99	96	94		94	92	90		90	88	87
2	102	95	90	85	99	93	88	84		89	85	81		85	82	79		82	79	77
3	95	86	79	74	92	84	78	73		81	76	71		78	73	70		75	71	68
4	88	78	71	65	86	76	70	64		74	68	63		71	66	62		68	64	61
5	82	71	63	58	80	70	63	57		67	61	56		65	60	55		63	58	54
6	76	65	57	52	74	64	57	51		62	55	50		60	54	50		58	53	49
7	71	60	52	47	70	59	51	46		57	50	46		55	49	45		53	48	44
8	67	55	47	42	65	54	47	42		52	46	41		51	45	41		50	44	41
9	63	51	43	38	61	50	43	38		49	42	38		47	42	37		46	41	37
10	59	47	40	35	58	46	40	35		45	39	35		44	38	34		43	38	34

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1196.9	4.7
10°-20°	3482.9	13.6
20°-30°	5433.8	21.2
30°-40°	6223.2	24.2
40°-50°	4206.3	16.4
50°-60°	1656.0	6.5
60°-70°	1518.4	5.9
70°-80°	622.8	2.4
80°-90°	238.5	0.9
90°-100°	357.3	1.4
100°-110°	342.1	1.3
110°-120°	164.4	0.6
120°-130°	75.8	0.3
130°-140°	58.2	0.2
140°-150°	44.5	0.2
150°-160°	29.7	0.1
160°-170°	16.7	0.1
170°-180°	5.1	0.0
0°-30°	10113.6	39.4
0°-40°	16336.8	63.6
0°-60°	22199.1	86.5
0°-90°	24578.9	95.7
90°-120°	863.9	3.4
90°-150°	1042.4	4.1
90°-180°	1094.0	4.3
0°-180°	25672.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12567	
5°	12561	###
15°	12321	3483
25°	11765	5434
35°	10099	6223
45°	5451	4206
55°	1506	1656
65°	1661	1518
75°	533	623
85°	198	180
90°	227	128
95°	340	288
105°	326	342
115°	159	164
125°	80	76
135°	76	58
145°	71	45
155°	64	30
165°	58	17
175°	54	5
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12567.4
2.5°	12552.4
5°	12560.7
7.5°	12546.6
10°	12489.3
12.5°	12417.9
15°	12320.7
17.5°	12210.3
20°	12075.8
22.5°	11920.5
25°	11765.2
27.5°	11604.9
30°	11411.4
32.5°	10845.9
35°	10099.4
37.5°	9184.3
40°	8097.3
42.5°	6806.0
45°	5450.8
47.5°	4181.1
50°	3038.5
52.5°	2127.5
55°	1506.4
57.5°	1484.8
60°	1597.7
62.5°	1694.9
65°	1660.8
67.5°	1430.8
70°	1092.8
72.5°	764.8
75°	533.1
77.5°	382.0
80°	280.7
82.5°	222.5
85°	198.5
87.5°	200.1
90°	226.7
92.5°	279.8
95°	340.5
97.5°	382.0
100°	390.3
102.5°	367.0
105°	326.3
107.5°	283.2
110°	239.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	197.6
115°	159.4
117.5°	129.5
120°	106.3
122.5°	90.5
125°	80.5
127.5°	75.6
130°	73.9
132.5°	73.9
135°	75.6
137.5°	76.4
140°	75.6
142.5°	73.1
145°	70.6
147.5°	68.1
150°	66.4
152.5°	64.8
155°	63.9
157.5°	63.1
160°	62.3
162.5°	60.6
165°	58.1
167.5°	56.5
170°	54.0
172.5°	52.3
175°	54.0
177.5°	54.0
180°	54.0

(END OF REPORT)