

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: P1505544

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (4000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505544
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 (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

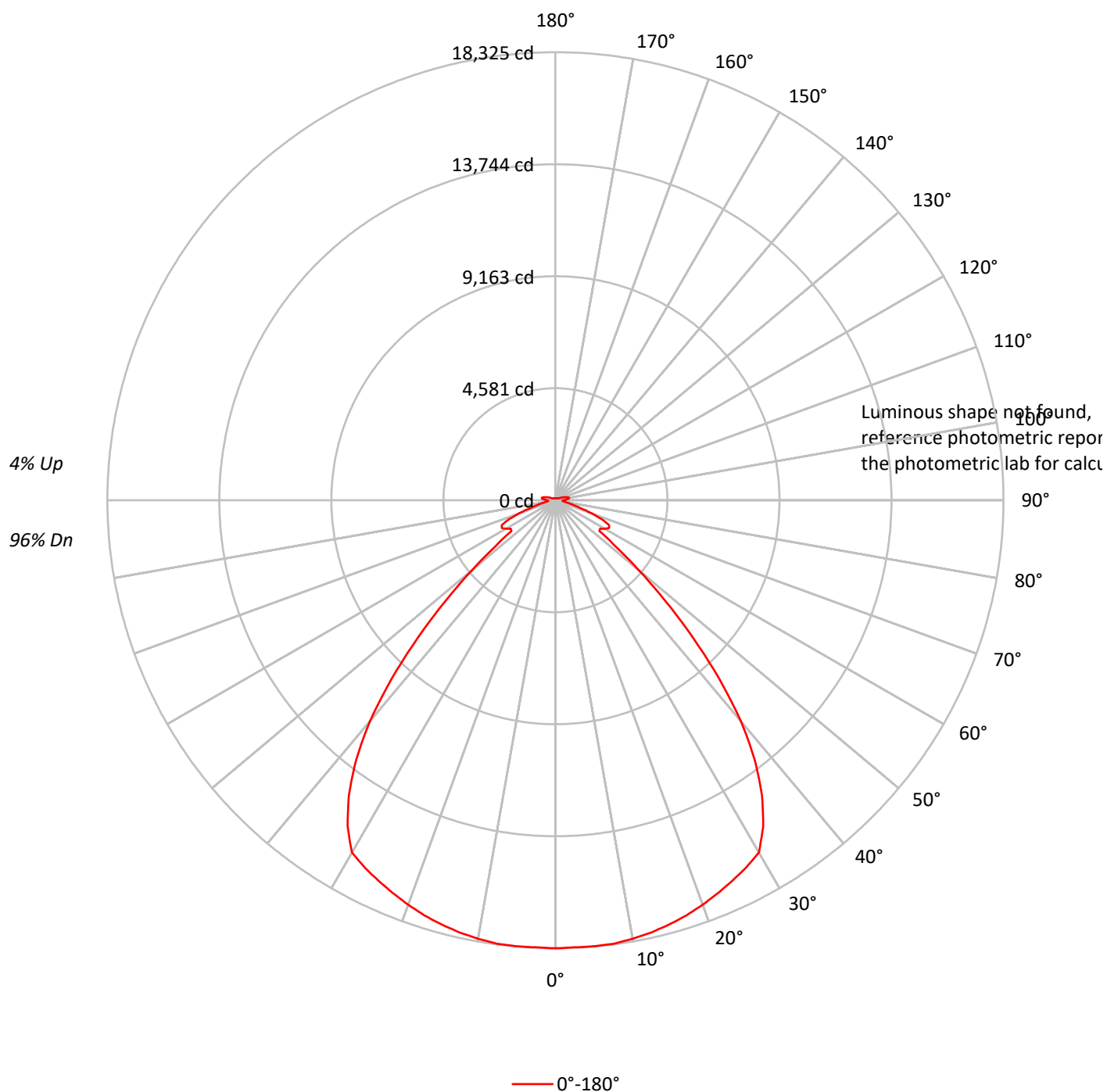
Lumens per Lamp: N/A
Luminaire Lumens: 37435.1 lumens
Efficiency: N/A
Efficacy: 161.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 231.9
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



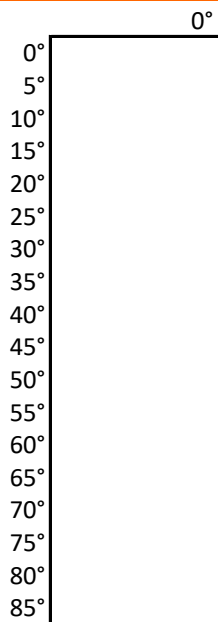
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98			96
1	110	106	103	100	107	104	100	98	99	96	94	94	92	90	90	88	87			85
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77			75
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68			66
4	88	78	71	65	86	76	70	64	74	68	63	71	66	62	68	64	61			59
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	54			52
6	76	65	57	52	74	64	57	51	62	55	50	60	54	50	58	53	49			47
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	53	48	44			43
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	41			39
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37			35
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34			33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1745.3	4.7
10°-20°	5078.6	13.6
20°-30°	7923.4	21.2
30°-40°	9074.5	24.2
40°-50°	6133.5	16.4
50°-60°	2414.7	6.5
60°-70°	2214.1	5.9
70°-80°	908.2	2.4
80°-90°	347.8	0.9
90°-100°	521.0	1.4
100°-110°	498.9	1.3
110°-120°	239.8	0.6
120°-130°	110.5	0.3
130°-140°	84.8	0.2
140°-150°	64.9	0.2
150°-160°	43.3	0.1
160°-170°	24.3	0.1
170°-180°	7.4	0.0
0°-30°	14747.3	39.4
0°-40°	23821.8	63.6
0°-60°	32370.0	86.5
0°-90°	35840.1	95.7
90°-120°	1259.7	3.4
90°-150°	1520.0	4.1
90°-180°	1595.0	4.3
0°-180°	37435.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18325	
5°	18316	###
15°	17966	5079
25°	17156	7923
35°	14727	9074
45°	7948	6133
55°	2196	2415
65°	2422	2214
75°	777	908
85°	289	263
90°	331	187
95°	496	420
105°	476	499
115°	232	240
125°	118	111
135°	110	85
145°	103	65
155°	93	43
165°	85	24
175°	79	7
180°	79	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18325.3
2.5°	18303.5
5°	18315.6
7.5°	18295.0
10°	18211.5
12.5°	18107.3
15°	17965.7
17.5°	17804.6
20°	17608.5
22.5°	17382.0
25°	17155.6
27.5°	16921.9
30°	16639.8
32.5°	15815.2
35°	14726.6
37.5°	13392.2
40°	11807.2
42.5°	9924.3
45°	7948.1
47.5°	6096.7
50°	4430.6
52.5°	3102.2
55°	2196.5
57.5°	2165.0
60°	2329.7
62.5°	2471.4
65°	2421.7
67.5°	2086.3
70°	1593.5
72.5°	1115.2
75°	777.4
77.5°	557.0
80°	409.3
82.5°	324.5
85°	289.4
87.5°	291.8
90°	330.6
92.5°	408.1
95°	496.5
97.5°	557.0
100°	569.1
102.5°	535.2
105°	475.9
107.5°	412.9
110°	348.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	288.2
115°	232.5
117.5°	188.9
120°	155.0
122.5°	132.0
125°	117.5
127.5°	110.2
130°	107.8
132.5°	107.8
135°	110.2
137.5°	111.4
140°	110.2
142.5°	106.6
145°	102.9
147.5°	99.3
150°	96.9
152.5°	94.4
155°	93.2
157.5°	92.0
160°	90.8
162.5°	88.4
165°	84.8
167.5°	82.3
170°	78.7
172.5°	76.3
175°	78.7
177.5°	78.7
180°	78.7

(END OF REPORT)