

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: P1505553

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505553
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 (5000K_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

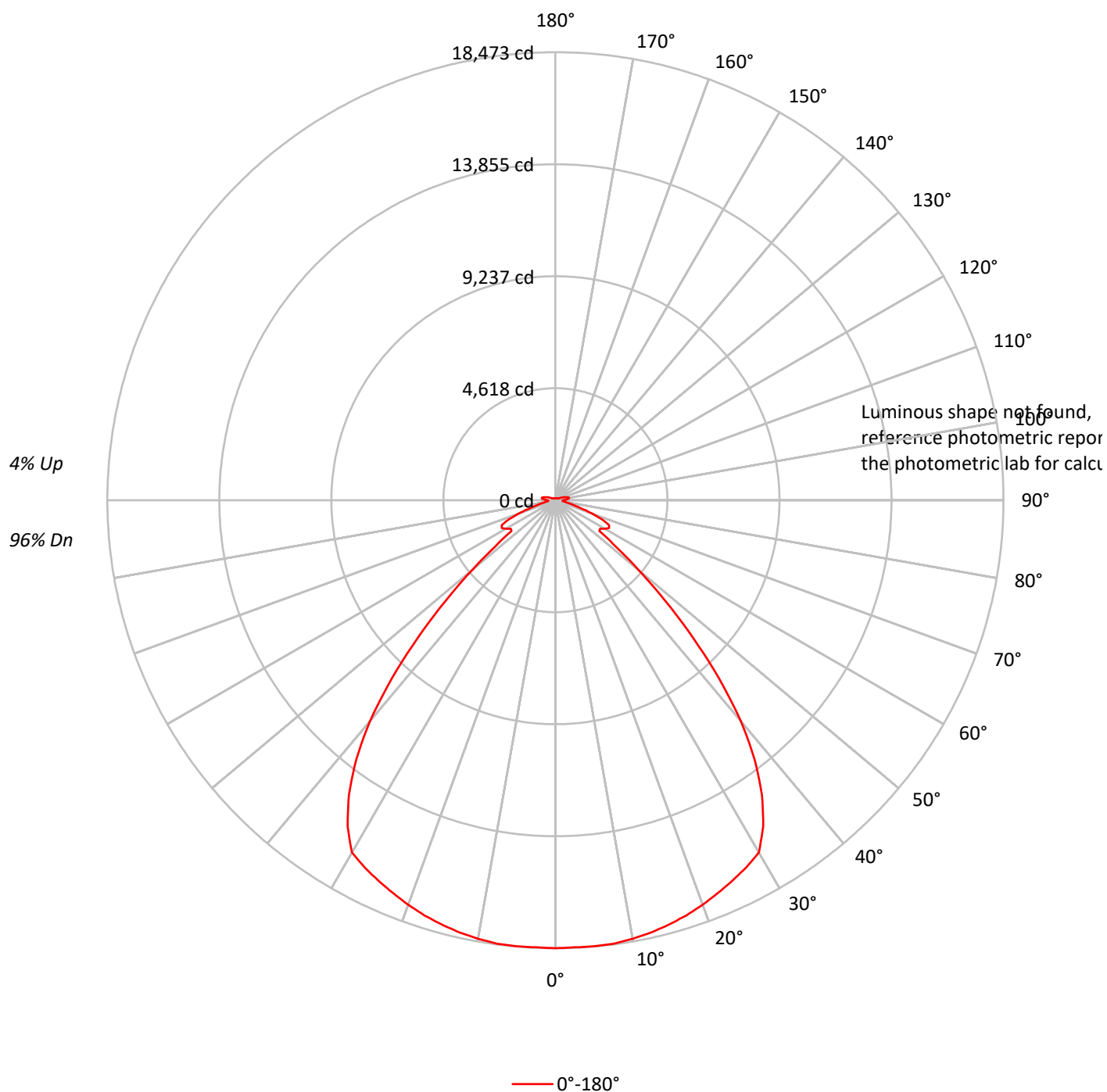
Lumens per Lamp: N/A
Luminaire Lumens: 37736.2 lumens
Efficiency: N/A
Efficacy: 161.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 233.3
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



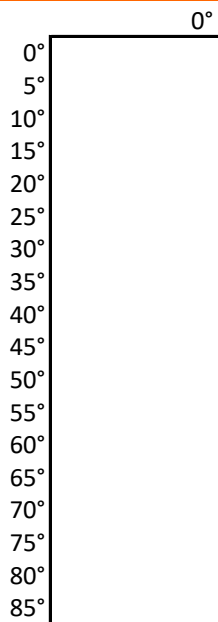
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1759.3	4.7
10°-20°	5119.5	13.6
20°-30°	7987.1	21.2
30°-40°	9147.5	24.2
40°-50°	6182.8	16.4
50°-60°	2434.1	6.5
60°-70°	2232.0	5.9
70°-80°	915.5	2.4
80°-90°	350.6	0.9
90°-100°	525.2	1.4
100°-110°	502.9	1.3
110°-120°	241.7	0.6
120°-130°	111.4	0.3
130°-140°	85.5	0.2
140°-150°	65.4	0.2
150°-160°	43.6	0.1
160°-170°	24.5	0.1
170°-180°	7.5	0.0
0°-30°	14865.9	39.4
0°-40°	24013.4	63.6
0°-60°	32630.3	86.5
0°-90°	36128.4	95.7
90°-120°	1269.8	3.4
90°-150°	1532.2	4.1
90°-180°	1608.0	4.3
0°-180°	37736.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18473	
5°	18463	###
15°	18110	5119
25°	17294	7987
35°	14845	9147
45°	8012	6183
55°	2214	2434
65°	2441	2232
75°	784	915
85°	292	265
90°	333	188
95°	500	423
105°	480	503
115°	234	242
125°	118	111
135°	111	86
145°	104	65
155°	94	44
165°	85	24
175°	79	7
180°	79	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18472.7
2.5°	18450.7
5°	18462.9
7.5°	18442.2
10°	18358.0
12.5°	18253.0
15°	18110.2
17.5°	17947.8
20°	17750.1
22.5°	17521.8
25°	17293.6
27.5°	17058.0
30°	16773.6
32.5°	15942.4
35°	14845.0
37.5°	13499.9
40°	11902.2
42.5°	10004.1
45°	8012.1
47.5°	6145.8
50°	4466.2
52.5°	3127.2
55°	2214.2
57.5°	2182.4
60°	2348.5
62.5°	2491.3
65°	2441.2
67.5°	2103.1
70°	1606.3
72.5°	1124.2
75°	783.6
77.5°	561.5
80°	412.6
82.5°	327.1
85°	291.7
87.5°	294.2
90°	333.2
92.5°	411.3
95°	500.4
97.5°	561.5
100°	573.7
102.5°	539.5
105°	479.7
107.5°	416.2
110°	351.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	290.5
115°	234.4
117.5°	190.4
120°	156.2
122.5°	133.0
125°	118.4
127.5°	111.1
130°	108.6
132.5°	108.6
135°	111.1
137.5°	112.3
140°	111.1
142.5°	107.4
145°	103.8
147.5°	100.1
150°	97.6
152.5°	95.2
155°	94.0
157.5°	92.8
160°	91.5
162.5°	89.1
165°	85.4
167.5°	83.0
170°	79.3
172.5°	76.9
175°	79.3
177.5°	79.3
180°	79.3

(END OF REPORT)