

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: P1505238

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505238
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-114)
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-A-06-TRWH-PS (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

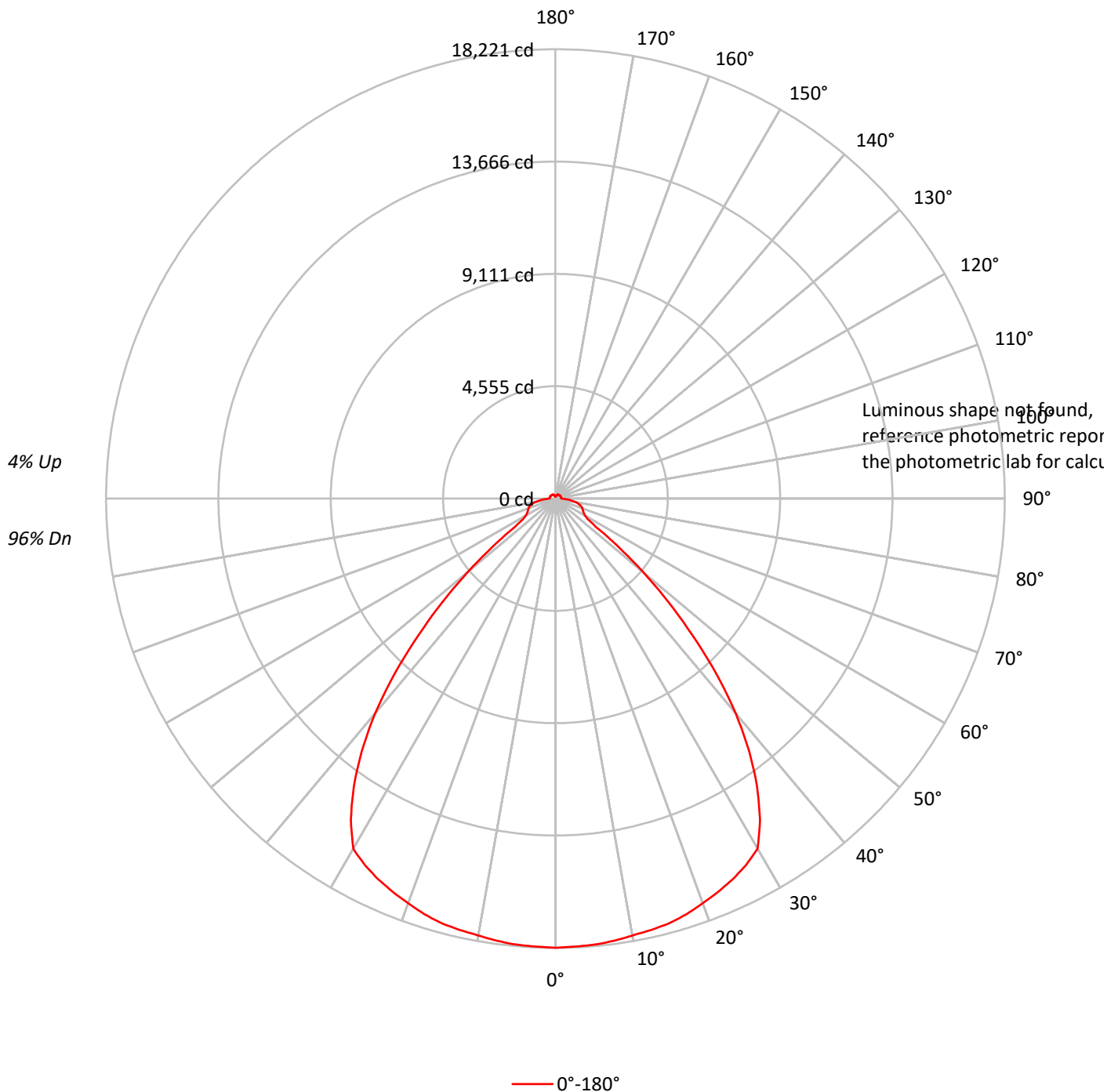
Lumens per Lamp: N/A
Luminaire Lumens: 35862.3 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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



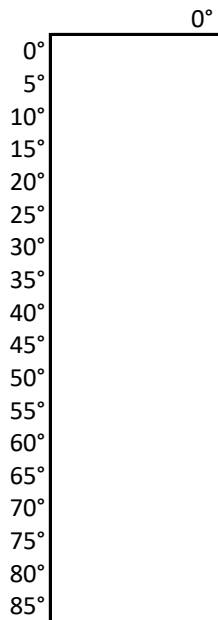
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		104	104	104		99	99	99
1	110	106	103	100	107	104	101	98		99	96	94		94	92	90		90	89	87
2	102	96	90	86	100	94	89	84		90	85	82		86	82	79		82	80	77
3	95	87	80	75	93	85	79	74		81	76	72		78	74	70		76	72	69
4	89	79	71	66	86	77	70	65		74	69	64		72	67	63		69	65	62
5	83	72	64	59	80	70	63	58		68	62	57		66	61	56		64	59	55
6	77	66	58	53	75	65	57	52		63	56	52		61	55	51		59	54	50
7	72	60	53	47	70	59	52	47		58	51	47		56	50	46		54	49	46
8	68	56	48	43	66	55	48	43		53	47	42		52	46	42		51	45	42
9	63	52	44	39	62	51	44	39		49	43	39		48	43	38		47	42	38
10	60	48	41	36	58	47	40	36		46	40	36		45	39	35		44	39	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1728.0	4.8
10°-20°	5035.3	14.0
20°-30°	7850.1	21.9
30°-40°	8806.9	24.6
40°-50°	6079.2	17.0
50°-60°	2160.9	6.0
60°-70°	1244.3	3.5
70°-80°	1080.0	3.0
80°-90°	570.4	1.6
90°-100°	247.7	0.7
100°-110°	243.0	0.7
110°-120°	223.6	0.6
120°-130°	193.5	0.5
130°-140°	157.7	0.4
140°-150°	121.4	0.3
150°-160°	77.6	0.2
160°-170°	34.3	0.1
170°-180°	8.3	0.0
0°-30°	14613.4	40.7
0°-40°	23420.3	65.3
0°-60°	31660.5	88.3
0°-90°	34555.2	96.4
90°-120°	714.2	2.0
90°-150°	1186.9	3.3
90°-180°	1307.0	3.6
0°-180°	35862.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18221	
5°	18161	###
15°	17833	5035
25°	17025	7850
35°	14256	8807
45°	7872	6079
55°	1999	2161
65°	1243	1244
75°	1038	1080
85°	521	489
90°	227	143
95°	227	186
105°	230	243
115°	226	224
125°	216	194
135°	204	158
145°	193	121
155°	167	78
165°	117	34
175°	82	8
180°	78	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18221.2
2.5°	18184.6
5°	18161.4
7.5°	18091.9
10°	17991.8
12.5°	17919.8
15°	17833.1
17.5°	17674.4
20°	17466.9
22.5°	17258.2
25°	17025.0
27.5°	16748.0
30°	16395.2
32.5°	15440.7
35°	14255.5
37.5°	12890.8
40°	11372.4
42.5°	9668.4
45°	7871.7
47.5°	6230.0
50°	4627.3
52.5°	3199.2
55°	1999.4
57.5°	1549.0
60°	1397.6
62.5°	1297.5
65°	1242.6
67.5°	1199.9
70°	1162.0
72.5°	1110.8
75°	1037.5
77.5°	946.0
80°	826.4
82.5°	678.7
85°	521.2
87.5°	367.4
90°	227.0
92.5°	224.6
95°	227.0
97.5°	228.3
100°	229.5
102.5°	230.7
105°	229.5
107.5°	229.5
110°	228.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	227.0
115°	225.8
117.5°	223.4
120°	220.9
122.5°	218.5
125°	216.0
127.5°	212.4
130°	209.9
132.5°	206.3
135°	203.8
137.5°	200.2
140°	197.7
142.5°	195.3
145°	192.9
147.5°	191.6
150°	186.8
152.5°	178.2
155°	167.2
157.5°	155.0
160°	144.0
162.5°	130.6
165°	117.2
167.5°	106.2
170°	97.6
172.5°	87.9
175°	81.8
177.5°	78.1
180°	78.1

(END OF REPORT)