

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: P1505229

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505229
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 (4000K_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

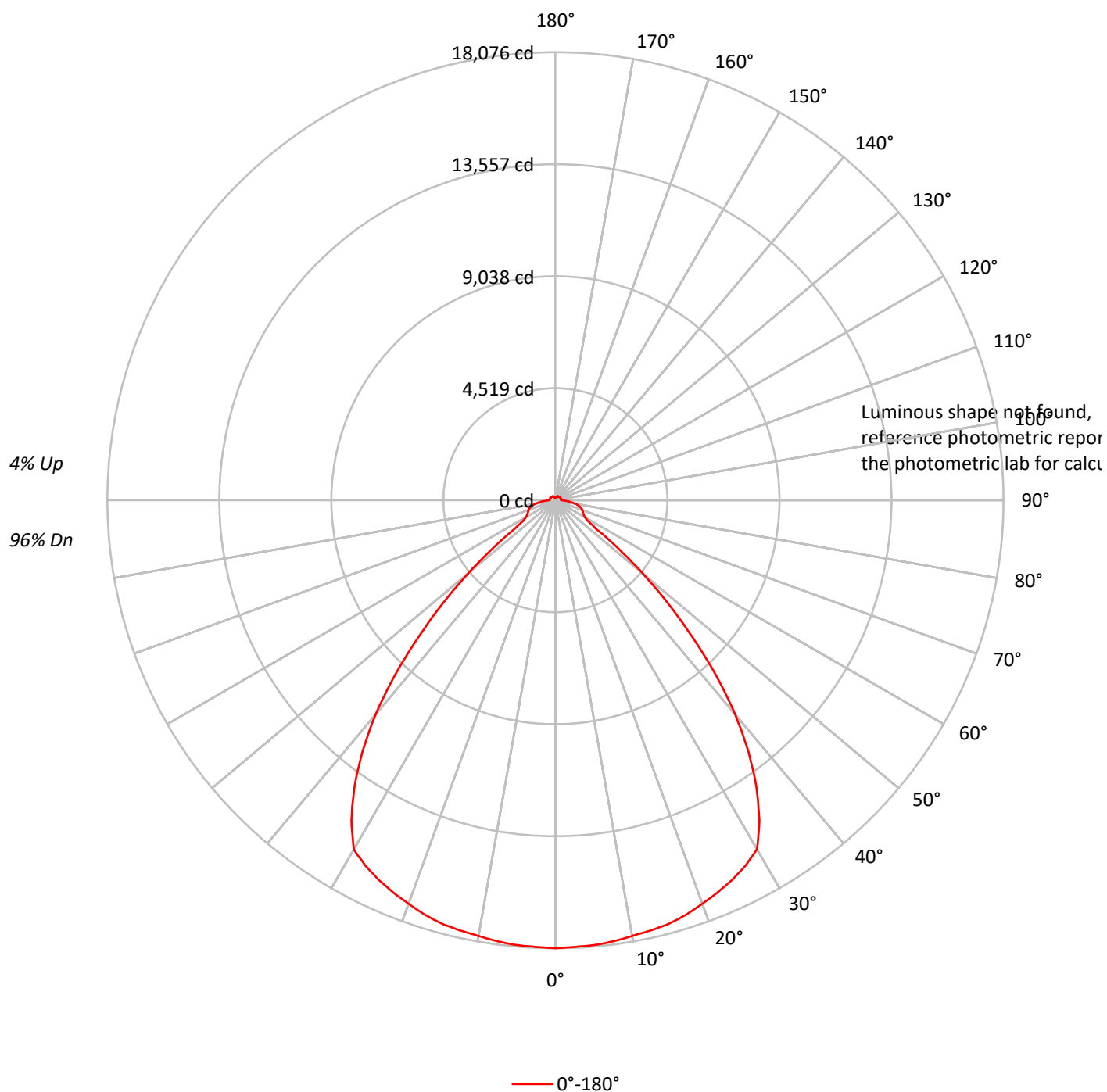
Lumens per Lamp: N/A
Luminaire Lumens: 35576.0 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





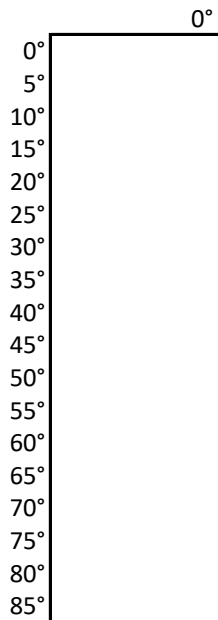
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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	96			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	85			
2	102	96	90	86	100	94	89	84	90	85	82	86	82	79	82	80	77	75			
3	95	87	80	75	93	85	79	74	81	76	72	78	74	70	76	72	69	67			
4	89	79	71	66	86	77	70	65	74	69	64	72	67	63	69	65	62	60			
5	83	72	64	59	80	70	63	58	68	62	57	66	61	56	64	59	55	54			
6	77	66	58	53	75	65	57	52	63	56	52	61	55	51	59	54	50	48			
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	54	49	46	44			
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	45	42	40			
9	63	52	44	39	62	51	44	39	49	43	39	48	43	38	47	42	38	36			
10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	35	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°	1714.3	4.8
10°-20°	4995.1	14.0
20°-30°	7787.5	21.9
30°-40°	8736.7	24.6
40°-50°	6030.7	17.0
50°-60°	2143.7	6.0
60°-70°	1234.4	3.5
70°-80°	1071.4	3.0
80°-90°	565.8	1.6
90°-100°	245.7	0.7
100°-110°	241.0	0.7
110°-120°	221.8	0.6
120°-130°	192.0	0.5
130°-140°	156.5	0.4
140°-150°	120.4	0.3
150°-160°	77.0	0.2
160°-170°	34.1	0.1
170°-180°	8.2	0.0
0°-30°	14496.8	40.7
0°-40°	23233.5	65.3
0°-60°	31407.8	88.3
0°-90°	34279.4	96.4
90°-120°	708.5	2.0
90°-150°	1177.3	3.3
90°-180°	1297.0	3.6
0°-180°	35576.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18076	
5°	18016	###
15°	17691	4995
25°	16889	7787
35°	14142	8737
45°	7809	6031
55°	1983	2144
65°	1233	1234
75°	1029	1071
85°	517	485
90°	225	142
95°	225	184
105°	228	241
115°	224	222
125°	214	192
135°	202	156
145°	191	120
155°	166	77
165°	116	34
175°	81	8
180°	78	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18075.8
2.5°	18039.5
5°	18016.5
7.5°	17947.5
10°	17848.2
12.5°	17776.8
15°	17690.8
17.5°	17533.4
20°	17327.5
22.5°	17120.5
25°	16889.2
27.5°	16614.3
30°	16264.4
32.5°	15317.5
35°	14141.7
37.5°	12788.0
40°	11281.7
42.5°	9591.3
45°	7808.9
47.5°	6180.3
50°	4590.4
52.5°	3173.7
55°	1983.4
57.5°	1536.6
60°	1386.4
62.5°	1287.2
65°	1232.7
67.5°	1190.3
70°	1152.7
72.5°	1101.9
75°	1029.2
77.5°	938.4
80°	819.8
82.5°	673.2
85°	517.0
87.5°	364.5
90°	225.2
92.5°	222.8
95°	225.2
97.5°	226.4
100°	227.6
102.5°	228.9
105°	227.6
107.5°	227.6
110°	226.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	225.2
115°	224.0
117.5°	221.6
120°	219.2
122.5°	216.7
125°	214.3
127.5°	210.7
130°	208.3
132.5°	204.6
135°	202.2
137.5°	198.6
140°	196.2
142.5°	193.7
145°	191.3
147.5°	190.1
150°	185.3
152.5°	176.8
155°	165.9
157.5°	153.8
160°	142.9
162.5°	129.6
165°	116.2
167.5°	105.3
170°	96.9
172.5°	87.2
175°	81.1
177.5°	77.5
180°	77.5

(END OF REPORT)