

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: P1505184

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505184
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-108)
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-CLER-PS (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

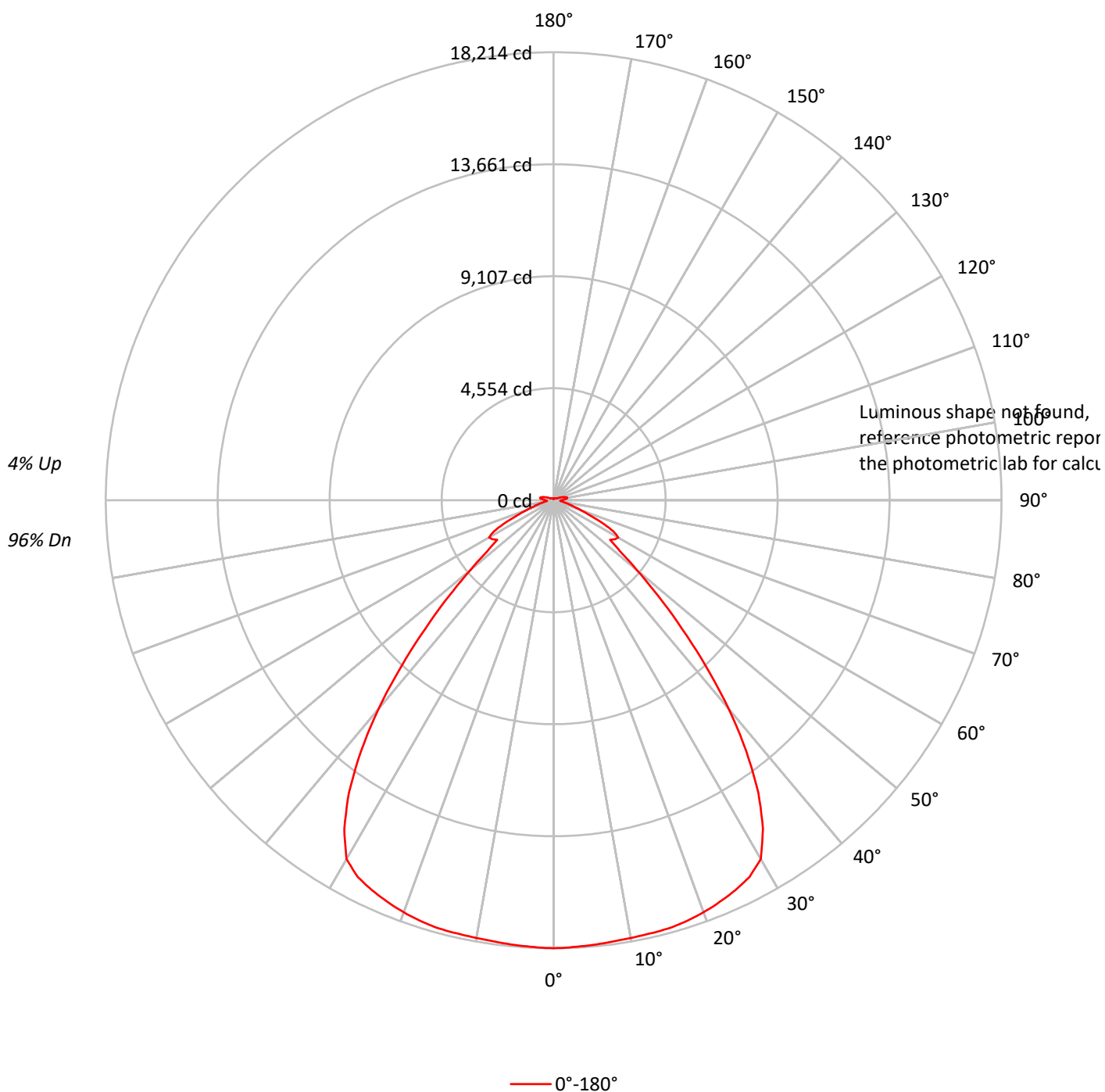
Lumens per Lamp: N/A
Luminaire Lumens: 37196.9 lumens
Efficiency: N/A
Efficacy: 160.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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





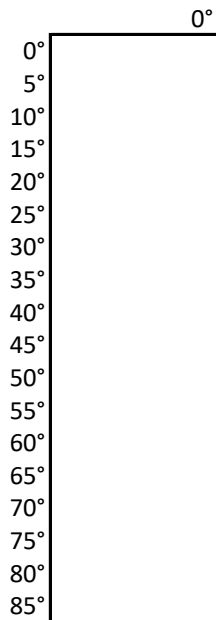
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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	103	103	103	98	98	98	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	99	93	88	84	89	85	82	86	82	79	82	79	77	75		
3	95	86	80	74	92	84	78	73	81	76	72	78	74	70	75	71	68	66		
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	69	64	61	59		
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	55	53		
6	76	65	57	52	74	64	57	51	62	55	51	60	54	50	58	53	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	39		
9	63	51	44	39	61	50	43	38	49	42	38	47	42	38	46	41	37	36		
10	59	47	40	35	58	47	40	35	45	39	35	44	39	35	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°	1729.9	4.7
10°-20°	5097.2	13.7
20°-30°	8059.9	21.7
30°-40°	8909.9	24.0
40°-50°	5751.1	15.5
50°-60°	2876.0	7.7
60°-70°	2124.6	5.7
70°-80°	741.1	2.0
80°-90°	325.2	0.9
90°-100°	501.0	1.3
100°-110°	505.4	1.4
110°-120°	245.3	0.7
120°-130°	112.6	0.3
130°-140°	83.3	0.2
140°-150°	64.0	0.2
150°-160°	43.2	0.1
160°-170°	21.8	0.1
170°-180°	5.7	0.0
0°-30°	14886.9	40.0
0°-40°	23796.8	64.0
0°-60°	32423.9	87.2
0°-90°	35614.8	95.7
90°-120°	1251.6	3.4
90°-150°	1511.5	4.1
90°-180°	1582.0	4.3
0°-180°	37196.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18214	
5°	18150	###
15°	18025	5097
25°	17491	8060
35°	14510	8910
45°	7375	5751
55°	2801	2876
65°	2172	2125
75°	671	741
85°	269	244
90°	317	178
95°	470	404
105°	486	505
115°	237	245
125°	120	113
135°	108	83
145°	102	64
155°	93	43
165°	76	22
175°	57	6
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18213.9
2.5°	18183.6
5°	18149.7
7.5°	18106.1
10°	18069.8
12.5°	18045.6
15°	18025.0
17.5°	17951.1
20°	17828.8
22.5°	17672.6
25°	17491.0
27.5°	17260.9
30°	16842.0
32.5°	15843.0
35°	14509.8
37.5°	12869.1
40°	11087.9
42.5°	9176.0
45°	7375.4
47.5°	5769.8
50°	4413.6
52.5°	3392.9
55°	2800.7
57.5°	2952.1
60°	3032.0
62.5°	2749.9
65°	2172.3
67.5°	1595.9
70°	1158.8
72.5°	871.8
75°	670.8
77.5°	502.5
80°	377.8
82.5°	300.3
85°	268.8
87.5°	276.1
90°	317.2
92.5°	389.9
95°	469.8
97.5°	538.8
100°	561.8
102.5°	536.4
105°	485.6
107.5°	425.0
110°	359.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	295.5
115°	237.3
117.5°	191.3
120°	158.6
122.5°	135.6
125°	119.9
127.5°	111.4
130°	107.8
132.5°	107.8
135°	107.8
137.5°	107.8
140°	105.3
142.5°	102.9
145°	101.7
147.5°	100.5
150°	98.1
152.5°	95.7
155°	93.2
157.5°	90.8
160°	86.0
162.5°	81.1
165°	76.3
167.5°	70.2
170°	65.4
172.5°	60.5
175°	56.9
177.5°	54.5
180°	54.5

(END OF REPORT)