

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: P1505185

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505185
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-107)
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 (5000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

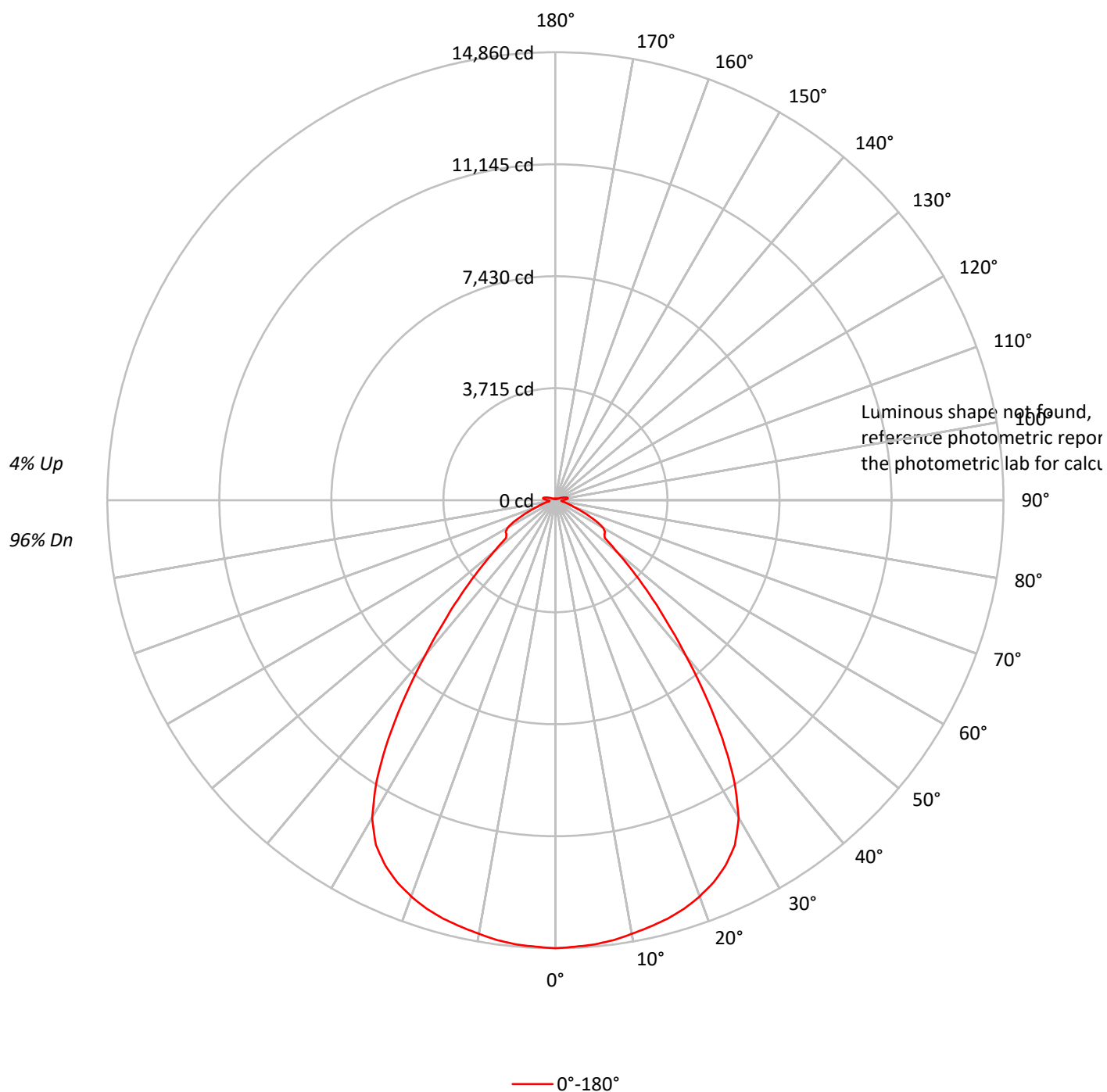
Lumens per Lamp: N/A
Luminaire Lumens: 25827.5 lumens
Efficiency: N/A
Efficacy: 165.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 156.4
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



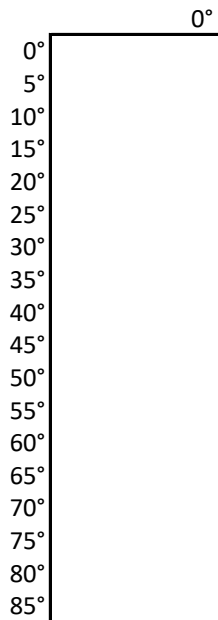
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	107	103	101	107	104	101	98	99	97	95	95	93	91	90	89	88	85
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68
4	89	80	73	67	87	78	72	67	75	70	65	73	68	64	70	66	63	61
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55
6	78	67	59	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50
7	73	62	54	49	71	61	54	49	59	53	48	57	52	48	56	51	47	45
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41
9	65	53	46	41	63	52	46	41	51	45	40	50	44	40	48	43	40	38
10	61	49	42	38	60	49	42	38	48	42	37	46	41	37	45	40	37	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°	1405.9	5.4
10°-20°	4056.1	15.7
20°-30°	6112.8	23.7
30°-40°	5946.7	23.0
40°-50°	3444.7	13.3
50°-60°	1844.4	7.1
60°-70°	1209.6	4.7
70°-80°	447.4	1.7
80°-90°	231.1	0.9
90°-100°	381.0	1.5
100°-110°	362.5	1.4
110°-120°	167.6	0.6
120°-130°	74.2	0.3
130°-140°	54.4	0.2
140°-150°	42.1	0.2
150°-160°	28.7	0.1
160°-170°	14.5	0.1
170°-180°	3.9	0.0
0°-30°	11574.7	44.8
0°-40°	17521.4	67.8
0°-60°	22810.4	88.3
0°-90°	24698.5	95.6
90°-120°	911.1	3.5
90°-150°	1081.9	4.2
90°-180°	1129.0	4.4
0°-180°	25827.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14860	
5°	14790	###
15°	14369	4056
25°	13360	6113
35°	9655	5947
45°	4402	3445
55°	1983	1844
65°	1207	1210
75°	410	447
85°	193	169
90°	245	137
95°	360	306
105°	346	362
115°	162	168
125°	79	74
135°	70	54
145°	67	42
155°	62	29
165°	50	15
175°	40	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14860.0
2.5°	14821.7
5°	14790.5
7.5°	14716.7
10°	14602.9
12.5°	14488.2
15°	14369.3
17.5°	14206.8
20°	13981.9
22.5°	13714.4
25°	13360.1
27.5°	12888.5
30°	12153.7
32.5°	11039.4
35°	9655.1
37.5°	8168.2
40°	6716.9
42.5°	5462.8
45°	4402.4
47.5°	3456.6
50°	2664.5
52.5°	2064.4
55°	1982.8
57.5°	1952.4
60°	1828.2
62.5°	1552.9
65°	1207.2
67.5°	896.3
70°	669.6
72.5°	521.1
75°	409.9
77.5°	310.9
80°	242.3
82.5°	203.2
85°	192.8
87.5°	207.6
90°	244.9
92.5°	300.5
95°	360.4
97.5°	406.5
100°	416.0
102.5°	390.0
105°	346.5
107.5°	298.8
110°	249.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	202.4
115°	162.4
117.5°	129.4
120°	106.0
122.5°	89.5
125°	79.0
127.5°	73.0
130°	70.3
132.5°	70.3
135°	70.3
137.5°	70.3
140°	69.5
142.5°	67.7
145°	66.9
147.5°	66.0
150°	65.1
152.5°	63.4
155°	62.5
157.5°	59.9
160°	57.3
162.5°	53.8
165°	50.4
167.5°	46.9
170°	44.3
172.5°	41.7
175°	40.0
177.5°	38.2
180°	39.1

(END OF REPORT)