

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: P1504502

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (4000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504502
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (4000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

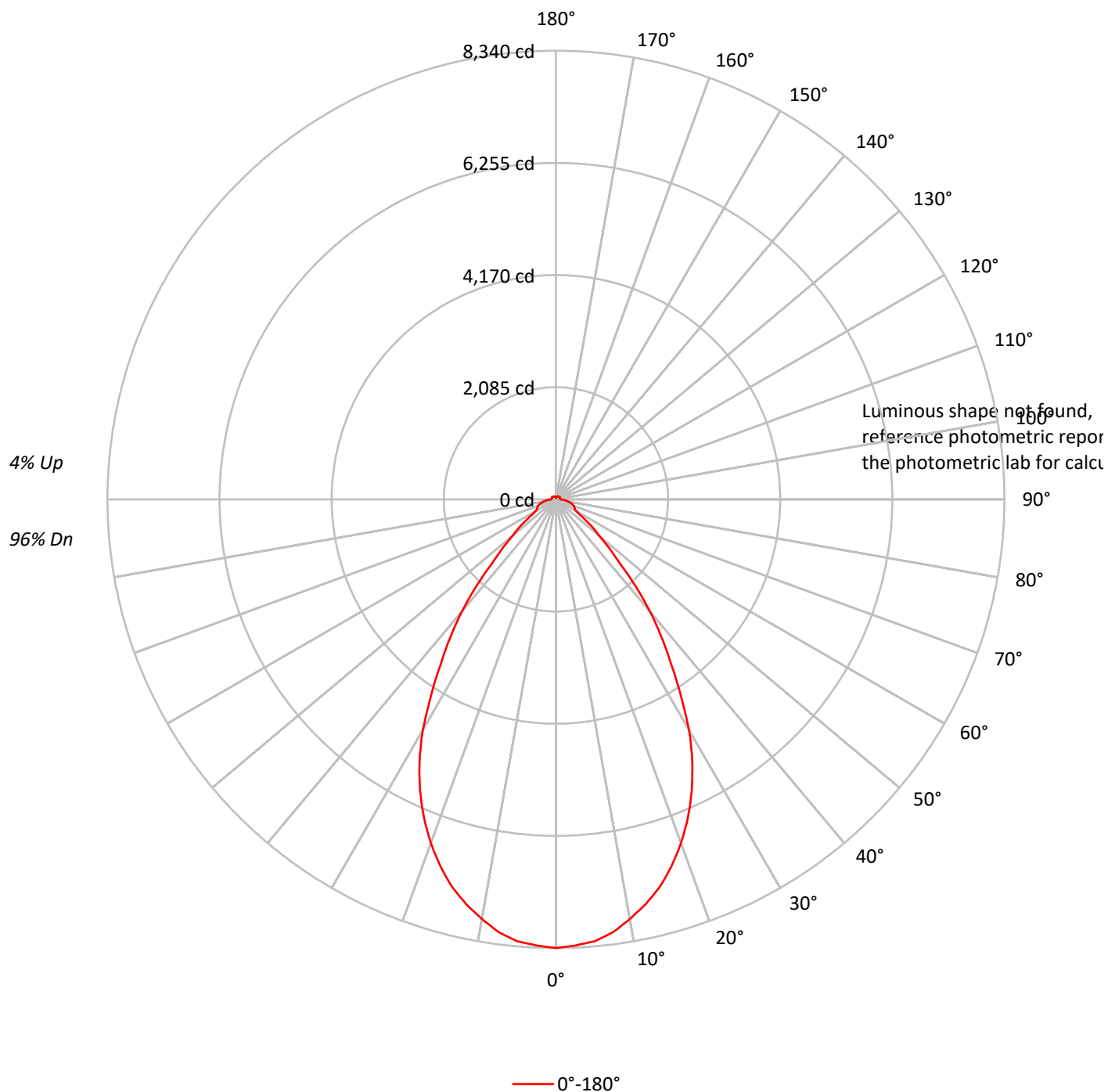
Lumens per Lamp: N/A
Luminaire Lumens: 11240.9 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 80.7
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



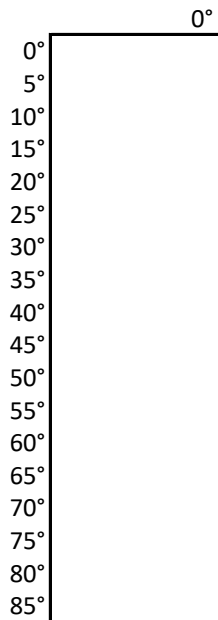
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	100	107	104	101	98	99	97	95	95	93	91	91	89	88	85
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	76
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	69
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	68	64	62
5	85	74	67	62	82	73	66	61	71	65	60	68	63	60	66	62	59	57
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52
7	75	64	57	51	73	63	56	51	61	55	51	59	54	50	58	53	49	48
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	44
9	67	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	41
10	63	52	45	41	62	51	45	40	50	44	40	49	44	40	48	43	39	38

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.6	6.9
10°-20°	2086.8	18.6
20°-30°	2724.3	24.2
30°-40°	2344.8	20.9
40°-50°	1355.5	12.1
50°-60°	622.1	5.5
60°-70°	383.2	3.4
70°-80°	314.8	2.8
80°-90°	171.0	1.5
90°-100°	88.4	0.8
100°-110°	86.4	0.8
110°-120°	79.5	0.7
120°-130°	68.5	0.6
130°-140°	55.2	0.5
140°-150°	41.6	0.4
150°-160°	26.5	0.2
160°-170°	12.6	0.1
170°-180°	3.1	0.0
0°-30°	5587.6	49.7
0°-40°	7932.4	70.6
0°-60°	9910.0	88.2
0°-90°	10779.0	95.9
90°-120°	254.3	2.3
90°-150°	419.6	3.7
90°-180°	462.0	4.1
0°-180°	11240.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8340	
5°	8245	777
15°	7458	2087
25°	5976	2724
35°	3732	2345
45°	1667	1355
55°	672	622
65°	382	383
75°	301	315
85°	157	144
90°	81	49
95°	81	66
105°	82	86
115°	80	80
125°	76	68
135°	71	55
145°	66	42
155°	57	27
165°	44	13
175°	31	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8339.6
2.5°	8299.2
5°	8244.9
7.5°	8116.3
10°	7918.8
12.5°	7707.6
15°	7458.3
17.5°	7149.2
20°	6798.8
22.5°	6411.9
25°	5975.7
27.5°	5495.0
30°	4952.0
32.5°	4317.5
35°	3732.4
37.5°	3216.9
40°	2721.6
42.5°	2194.0
45°	1667.1
47.5°	1346.6
50°	1048.8
52.5°	871.6
55°	672.5
57.5°	513.9
60°	433.0
62.5°	399.8
65°	382.0
67.5°	370.7
70°	353.7
72.5°	330.2
75°	301.1
77.5°	267.9
80°	232.3
82.5°	195.8
85°	157.0
87.5°	118.2
90°	80.9
92.5°	80.1
95°	80.9
97.5°	81.7
100°	81.7
102.5°	81.7
105°	81.7
107.5°	81.7
110°	81.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	80.9
115°	80.1
117.5°	79.3
120°	78.5
122.5°	77.7
125°	76.1
127.5°	75.3
130°	73.6
132.5°	72.8
135°	71.2
137.5°	69.6
140°	68.8
142.5°	67.2
145°	66.4
147.5°	64.7
150°	63.1
152.5°	60.7
155°	56.6
157.5°	53.4
160°	51.0
162.5°	46.9
165°	43.7
167.5°	40.5
170°	37.2
172.5°	33.2
175°	30.8
177.5°	29.9
180°	29.9

(END OF REPORT)