Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1504698

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1504698
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-39)
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-B-04-TRWH-PS (5000K_L18_Wide_120V)
Description:	PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
	LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:	5000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18778.2 lumens
Efficiency:	N/A
Efficacy:	156.4 lumens/watt
Spacing Criteria (0/90/45):	1.31 / 1.31 / 1.3
Luminous Opening:	Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type:	Direct

Input Watts (W):	120.1
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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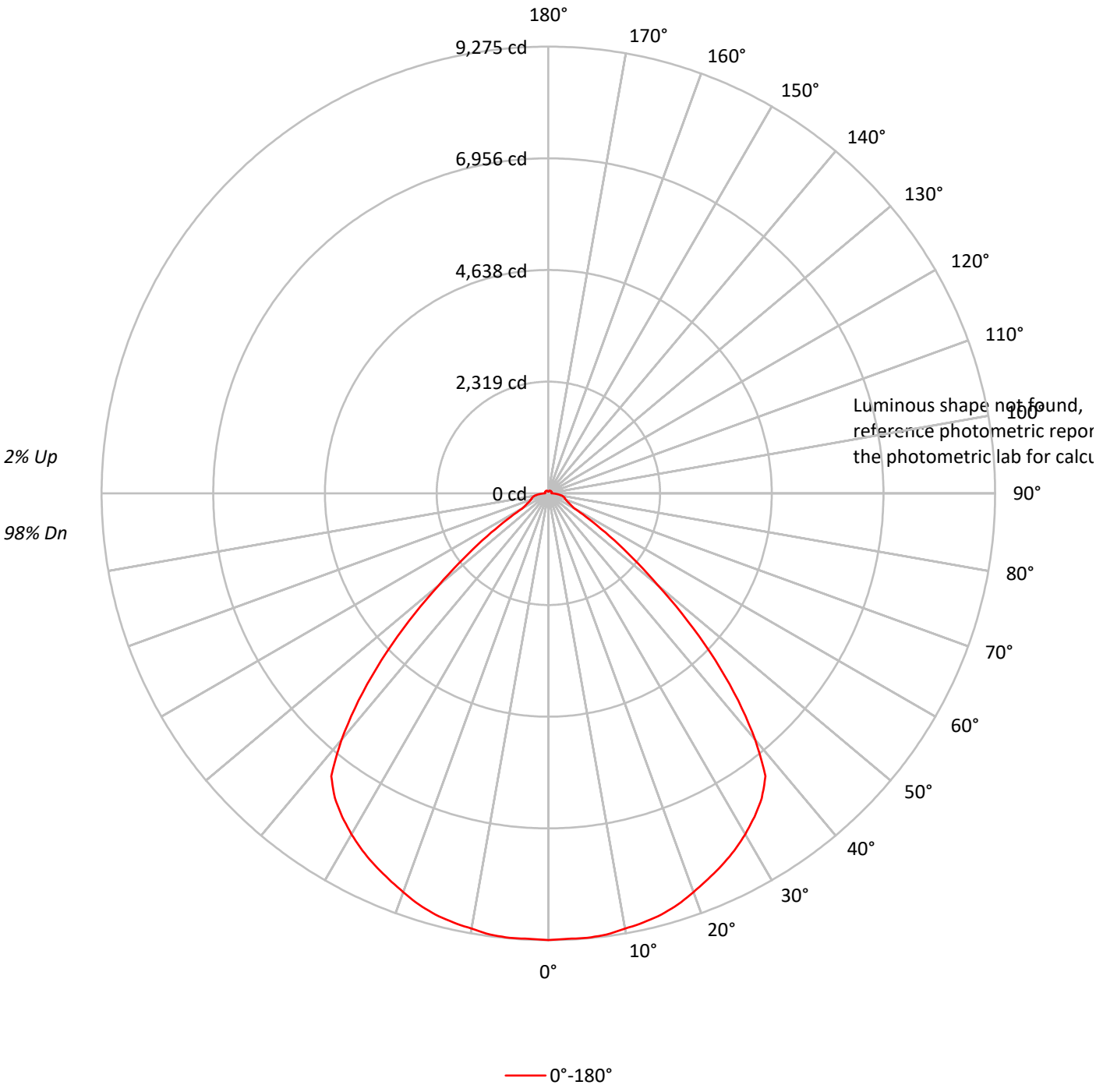
Luminous Intensity Polar Plot



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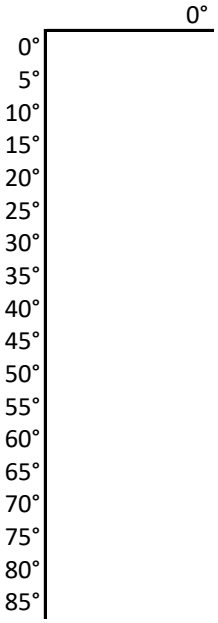
COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	91	89	87
2	103	97	91	87	100	95	90	86	91	87	83	87	84	81	84	81	79	77
3	96	87	81	76	93	86	80	75	83	77	73	80	75	72	77	73	70	68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63	61
5	83	72	65	59	81	71	64	59	69	63	58	67	61	57	65	60	56	54
6	77	66	58	53	75	65	58	52	63	57	52	61	56	51	60	55	51	49
7	72	60	53	47	70	60	52	47	58	51	47	56	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	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°	881.6	4.7
10°-20°	2555.0	13.6
20°-30°	3930.9	20.9
30°-40°	4776.7	25.4
40°-50°	3733.3	19.9
50°-60°	1447.6	7.7
60°-70°	471.7	2.5
70°-80°	363.1	1.9
80°-90°	202.2	1.1
90°-100°	74.7	0.4
100°-110°	74.5	0.4
110°-120°	69.9	0.4
120°-130°	62.0	0.3
130°-140°	51.4	0.3
140°-150°	39.9	0.2
150°-160°	26.6	0.1
160°-170°	13.4	0.1
170°-180°	3.7	0.0
0°-30°	7367.5	39.2
0°-40°	12144.2	64.7
0°-60°	17325.0	92.3
0°-90°	18362.1	97.8
90°-120°	219.2	1.2
90°-150°	372.5	2.0
90°-180°	416.0	2.2
0°-180°	18778.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9275	
5°	9263	882
15°	9057	2555
25°	8522	3931
35°	7724	4777
45°	4903	3733
55°	1551	1448
65°	463	472
75°	347	363
85°	190	176
90°	68	45
95°	68	56
105°	71	75
115°	71	70
125°	70	62
135°	66	51
145°	64	40
155°	58	27
165°	47	13
175°	37	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	9275.2
2.5°	9256.0
5°	9263.2
7.5°	9240.5
10°	9177.0
12.5°	9125.5
15°	9057.3
17.5°	8950.7
20°	8810.6
22.5°	8666.9
25°	8522.0
27.5°	8362.8
30°	8172.4
32.5°	7961.6
35°	7724.5
37.5°	7403.6
40°	6686.4
42.5°	5835.0
45°	4903.4
47.5°	3919.2
50°	2973.2
52.5°	2200.9
55°	1550.7
57.5°	997.4
60°	619.1
62.5°	529.3
65°	463.4
67.5°	411.9
70°	385.6
72.5°	364.0
75°	347.3
77.5°	324.5
80°	291.0
82.5°	246.7
85°	190.4
87.5°	125.7
90°	68.3
92.5°	67.1
95°	68.3
97.5°	69.5
100°	69.5
102.5°	70.6
105°	70.6
107.5°	70.6
110°	70.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	*70.6*
115°	*70.6*
117.5°	*70.6*
120°	*69.5*
122.5°	*69.5*
125°	*69.5*
127.5°	*68.3*
130°	*68.3*
132.5°	*67.1*
135°	*65.9*
137.5°	*65.9*
140°	*64.7*
142.5°	*64.7*
145°	*63.5*
147.5°	*62.3*
150°	*62.3*
152.5°	*59.9*
155°	*57.5*
157.5°	*53.9*
160°	*52.7*
162.5°	*49.1*
165°	*46.7*
167.5°	*44.3*
170°	*40.7*
172.5°	*38.3*
175°	*37.1*
177.5°	*37.1*
180°	*37.1*

(END OF REPORT)