

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: P1504294

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504294
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-20)
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-04-CLER-PS (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

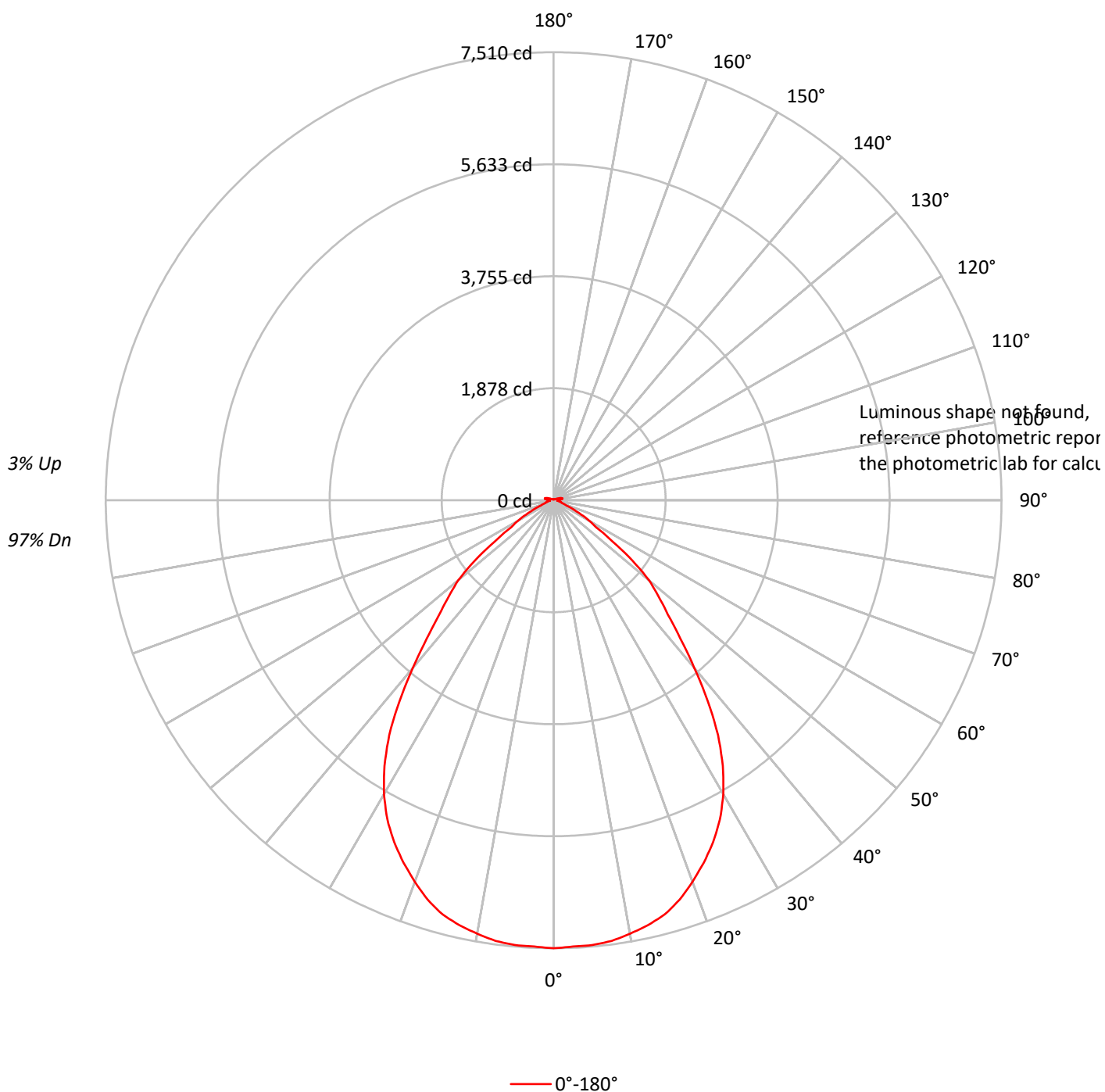
Lumens per Lamp: N/A
Luminaire Lumens: 12857.7 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 83
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



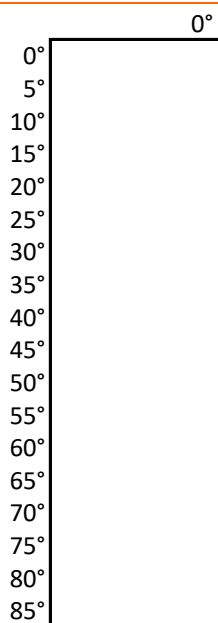
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20						20
RC	80					70						30						0
RW	70	50	30	10		70	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
1	111	107	104	101		108	105	102	99		100	98	96		96	94	92	92
2	104	97	92	88		101	95	91	87		91	87	84		88	85	82	84
3	96	88	82	77		94	87	81	76		83	78	74		80	76	73	78
4	90	80	73	68		88	79	72	67		76	71	66		74	69	65	71
5	84	73	66	61		82	72	65	60		70	64	59		68	62	58	66
6	78	67	60	54		76	66	59	54		64	58	53		62	57	53	61
7	73	62	54	49		72	61	54	49		59	53	48		58	52	48	56
8	69	57	50	45		67	56	49	45		55	49	44		54	48	44	52
9	65	53	46	41		63	52	46	41		51	45	41		50	44	40	49
10	61	49	42	38		60	49	42	38		48	42	37		47	41	37	46

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.1	5.5
10°-20°	2018.8	15.7
20°-30°	2899.8	22.6
30°-40°	2960.8	23.0
40°-50°	2135.7	16.6
50°-60°	1135.2	8.8
60°-70°	382.9	3.0
70°-80°	130.4	1.0
80°-90°	75.2	0.6
90°-100°	125.1	1.0
100°-110°	141.7	1.1
110°-120°	67.9	0.5
120°-130°	26.0	0.2
130°-140°	16.7	0.1
140°-150°	14.0	0.1
150°-160°	10.1	0.1
160°-170°	4.8	0.0
170°-180°	1.3	0.0
0°-30°	5629.7	43.8
0°-40°	8590.6	66.8
0°-60°	11861.5	92.3
0°-90°	12450.0	96.8
90°-120°	334.7	2.6
90°-150°	391.5	3.0
90°-180°	408.0	3.2
0°-180°	12857.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7510	
5°	7484	711
15°	7190	2019
25°	6327	2900
35°	4805	2961
45°	2710	2136
55°	1212	1135
65°	362	383
75°	122	130
85°	63	56
90°	74	42
95°	116	102
105°	139	142
115°	66	68
125°	27	26
135°	21	17
145°	22	14
155°	22	10
165°	17	5
175°	13	1
180°	13	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7509.6
2.5°	7488.5
5°	7484.2
7.5°	7451.2
10°	7377.5
12.5°	7297.8
15°	7190.2
17.5°	7022.5
20°	6806.5
22.5°	6575.2
25°	6326.9
27.5°	6038.0
30°	5689.0
32.5°	5278.1
35°	4805.4
37.5°	4247.0
40°	3672.6
42.5°	3146.5
45°	2710.2
47.5°	2379.8
50°	2087.5
52.5°	1673.2
55°	1211.5
57.5°	843.8
60°	693.0
62.5°	524.4
65°	361.8
67.5°	238.1
70°	172.0
72.5°	139.8
75°	122.0
77.5°	104.2
80°	84.7
82.5°	69.5
85°	62.7
87.5°	64.4
90°	73.7
92.5°	92.3
95°	116.1
97.5°	138.9
100°	150.0
102.5°	149.1
105°	138.9
107.5°	121.2
110°	101.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	83.0
115°	66.1
117.5°	51.7
120°	40.7
122.5°	33.0
125°	27.1
127.5°	23.7
130°	22.0
132.5°	21.2
135°	21.2
137.5°	22.0
140°	22.0
142.5°	22.0
145°	22.0
147.5°	22.9
150°	22.9
152.5°	22.9
155°	22.0
157.5°	21.2
160°	19.5
162.5°	17.8
165°	16.9
167.5°	15.2
170°	14.4
172.5°	13.6
175°	12.7
177.5°	12.7
180°	12.7

(END OF REPORT)