

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: P1504653

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504653
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Prenalux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (5000K_L18_Wide_120V)
Description: Prenalux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

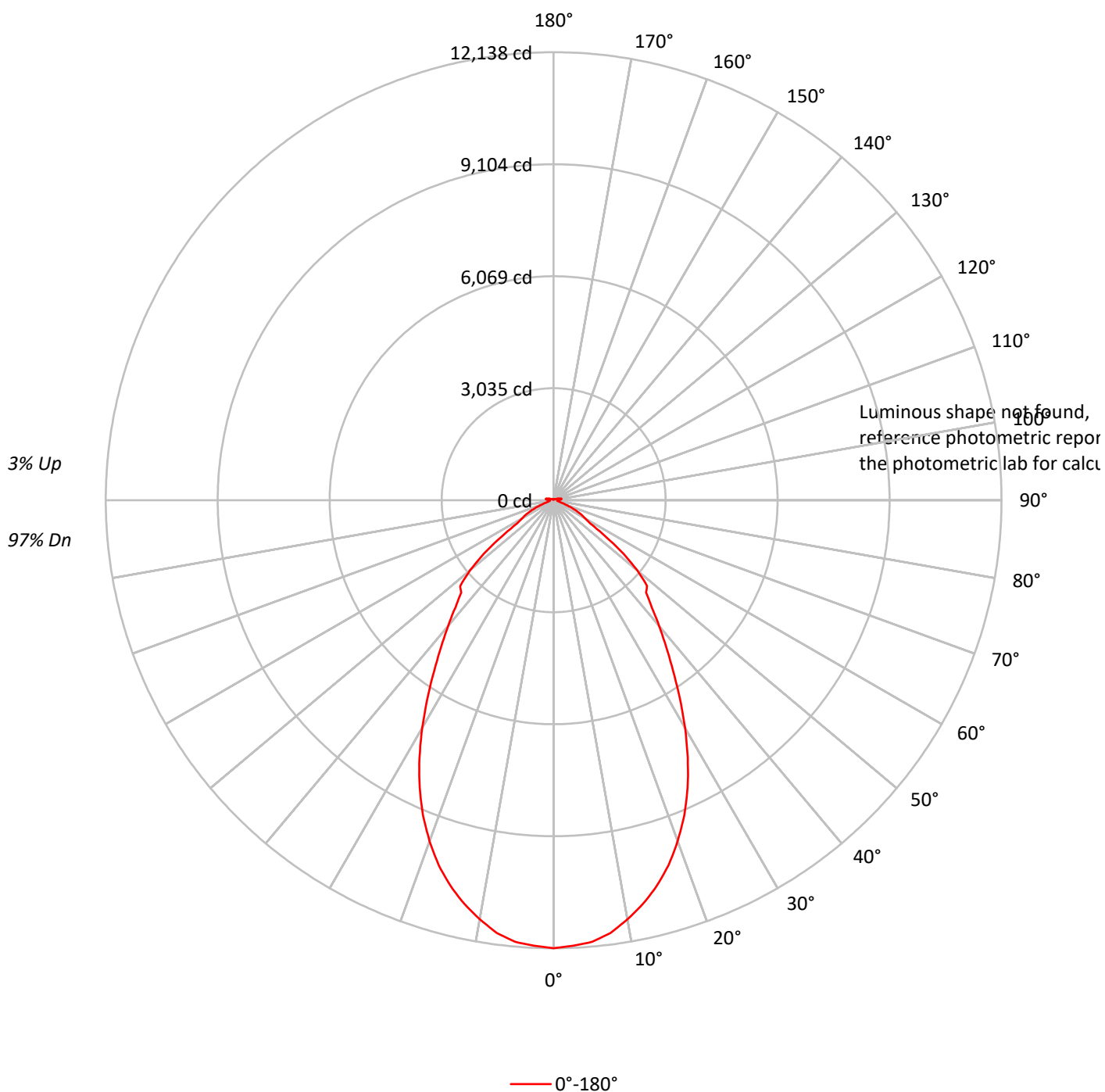
Lumens per Lamp: N/A
Luminaire Lumens: 17587.8 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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



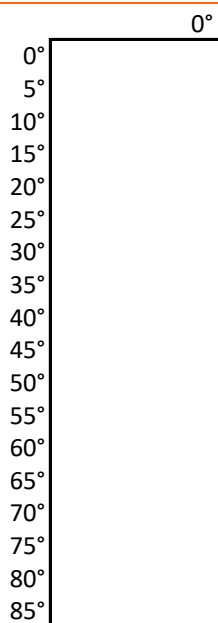
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		104	104	104		99	99	99
1	111	107	104	101	108	105	102	99		100	98	96		96	94	92		92	90	89
2	103	97	92	88	101	95	90	86		91	87	84		88	85	82		84	82	80
3	96	88	82	77	94	87	81	76		83	78	74		80	76	73		78	74	71
4	90	80	73	68	88	79	72	67		76	71	66		74	69	65		71	67	64
5	84	74	66	61	82	72	66	60		70	64	60		68	63	59		66	61	58
6	79	68	60	55	77	67	60	55		65	58	54		63	57	53		61	56	53
7	74	62	55	50	72	61	55	50		60	54	49		58	53	49		57	52	48
8	69	58	51	46	68	57	50	45		56	49	45		54	49	45		53	48	44
9	65	54	47	42	64	53	46	42		52	46	41		51	45	41		49	44	41
10	62	50	43	39	60	50	43	39		48	42	38		47	42	38		46	41	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°	1131.0	6.4
10°-20°	3026.9	17.2
20°-30°	3918.5	22.3
30°-40°	3544.2	20.2
40°-50°	2816.0	16.0
50°-60°	1609.8	9.2
60°-70°	662.9	3.8
70°-80°	195.4	1.1
80°-90°	114.0	0.6
90°-100°	198.0	1.1
100°-110°	192.3	1.1
110°-120°	87.9	0.5
120°-130°	32.4	0.2
130°-140°	20.8	0.1
140°-150°	16.8	0.1
150°-160°	12.1	0.1
160°-170°	6.8	0.0
170°-180°	2.0	0.0
0°-30°	8076.3	45.9
0°-40°	11620.5	66.1
0°-60°	16046.3	91.2
0°-90°	17018.6	96.8
90°-120°	478.1	2.7
90°-150°	548.2	3.1
90°-180°	569.0	3.2
0°-180°	17587.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12138	
5°	12010	###
15°	10813	3027
25°	8592	3918
35°	5639	3544
45°	3537	2816
55°	1724	1610
65°	680	663
75°	164	195
85°	96	83
90°	124	70
95°	188	160
105°	184	192
115°	85	88
125°	34	32
135°	26	21
145°	26	17
155°	26	12
165°	24	7
175°	20	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12138.2
2.5°	12079.6
5°	12010.1
7.5°	11823.3
10°	11529.9
12.5°	11199.5
15°	10812.7
17.5°	10364.9
20°	9828.4
22.5°	9245.3
25°	8591.5
27.5°	7871.8
30°	7117.5
32.5°	6358.3
35°	5638.6
37.5°	4999.2
40°	4444.8
42.5°	3940.7
45°	3537.2
47.5°	3436.6
50°	2957.6
52.5°	2384.1
55°	1724.3
57.5°	1175.9
60°	992.7
62.5°	841.8
65°	680.1
67.5°	502.9
70°	334.1
72.5°	219.1
75°	164.0
77.5°	135.3
80°	112.6
82.5°	98.2
85°	95.8
87.5°	105.4
90°	124.5
92.5°	155.7
95°	188.0
97.5°	211.9
100°	216.7
102.5°	206.0
105°	184.4
107.5°	160.5
110°	132.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	109.0
115°	85.0
117.5°	65.9
120°	51.5
122.5°	40.7
125°	33.5
127.5°	29.9
130°	27.5
132.5°	26.3
135°	26.3
137.5°	27.5
140°	27.5
142.5°	27.5
145°	26.3
147.5°	26.3
150°	26.3
152.5°	26.3
155°	26.3
157.5°	26.3
160°	25.1
162.5°	25.1
165°	23.9
167.5°	22.8
170°	21.6
172.5°	21.6
175°	20.4
177.5°	21.6
180°	21.6

(END OF REPORT)