

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: P1504655

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504655
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-31)
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-CLER-PS (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

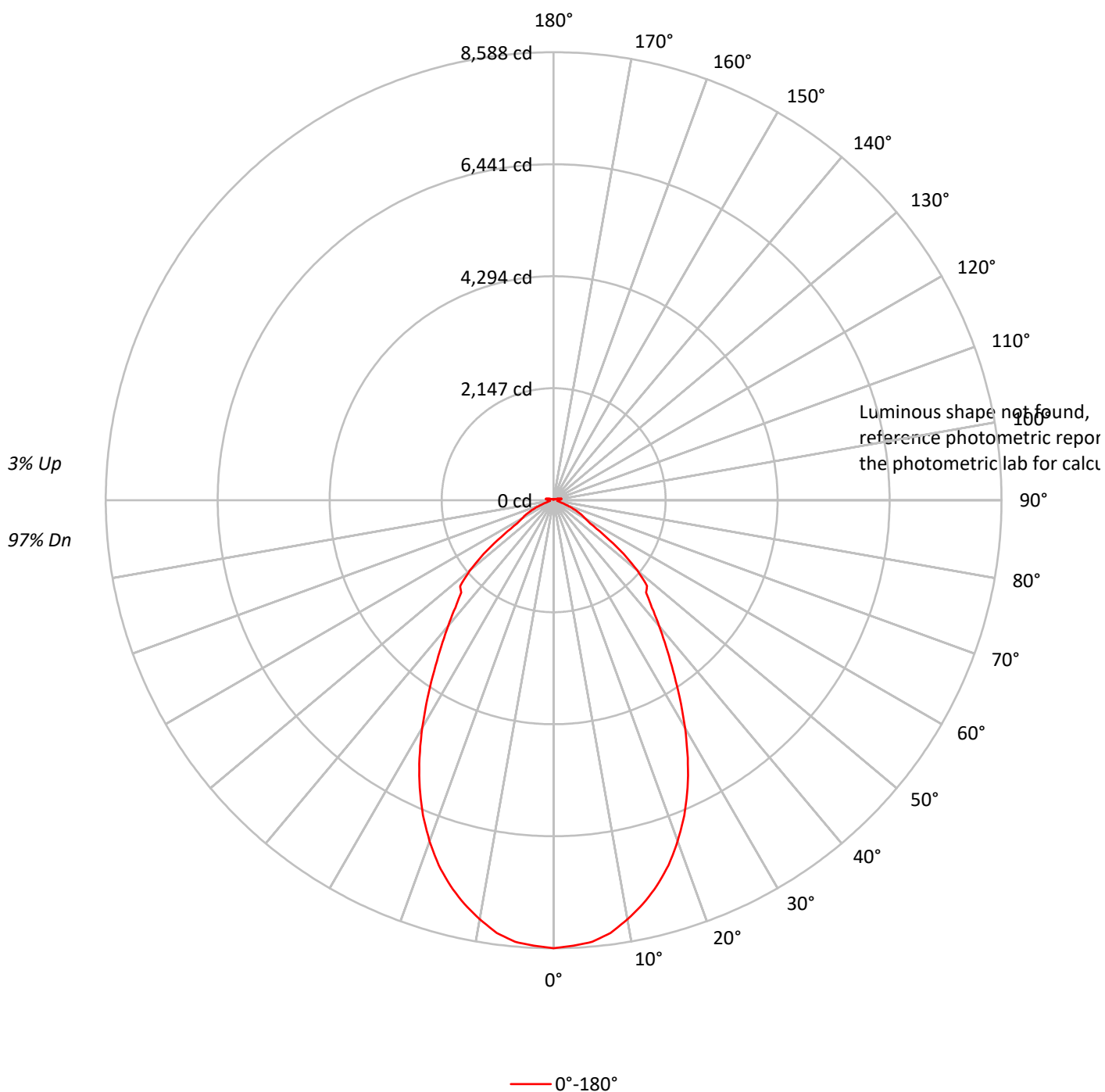
Lumens per Lamp: N/A
Luminaire Lumens: 12443.8 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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



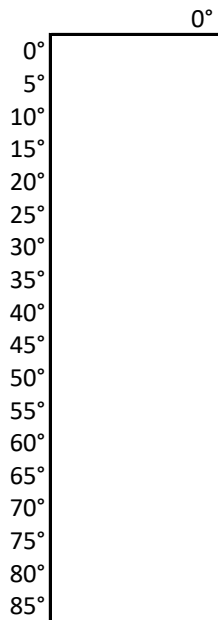
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	97	
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	89	87	
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	80	77	
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	71	69	
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	64	62	
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	61	58	58	56	
6	79	68	60	55	77	67	60	55	65	58	54	63	57	53	61	56	53	53	51	
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	48	46	
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	44	42	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	41	39	
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	38	36	

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.2	6.4
10°-20°	2141.6	17.2
20°-30°	2772.4	22.3
30°-40°	2507.6	20.2
40°-50°	1992.4	16.0
50°-60°	1139.0	9.2
60°-70°	469.0	3.8
70°-80°	138.2	1.1
80°-90°	80.7	0.6
90°-100°	140.1	1.1
100°-110°	136.0	1.1
110°-120°	62.2	0.5
120°-130°	22.9	0.2
130°-140°	14.7	0.1
140°-150°	11.9	0.1
150°-160°	8.6	0.1
160°-170°	4.8	0.0
170°-180°	1.4	0.0
0°-30°	5714.2	45.9
0°-40°	8221.8	66.1
0°-60°	11353.2	91.2
0°-90°	12041.1	96.8
90°-120°	338.3	2.7
90°-150°	387.8	3.1
90°-180°	403.0	3.2
0°-180°	12443.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8588	
5°	8498	800
15°	7650	2142
25°	6079	2772
35°	3990	2508
45°	2503	1992
55°	1220	1139
65°	481	469
75°	116	138
85°	68	58
90°	88	49
95°	133	113
105°	130	136
115°	60	62
125°	24	23
135°	19	15
145°	19	12
155°	19	9
165°	17	5
175°	14	1
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8588.1
2.5°	8546.6
5°	8497.5
7.5°	8365.3
10°	8157.8
12.5°	7923.9
15°	7650.3
17.5°	7333.4
20°	6953.9
22.5°	6541.3
25°	6078.7
27.5°	5569.5
30°	5035.8
32.5°	4498.7
35°	3989.5
37.5°	3537.1
40°	3144.8
42.5°	2788.2
45°	2502.6
47.5°	2431.5
50°	2092.6
52.5°	1686.8
55°	1220.0
57.5°	832.0
60°	702.3
62.5°	595.6
65°	481.2
67.5°	355.8
70°	236.4
72.5°	155.0
75°	116.1
77.5°	95.7
80°	79.6
82.5°	69.5
85°	67.8
87.5°	74.6
90°	88.1
92.5°	110.1
95°	133.0
97.5°	150.0
100°	153.3
102.5°	145.7
105°	130.5
107.5°	113.5
110°	94.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	77.1
115°	60.2
117.5°	46.6
120°	36.4
122.5°	28.8
125°	23.7
127.5°	21.2
130°	19.5
132.5°	18.6
135°	18.6
137.5°	19.5
140°	19.5
142.5°	19.5
145°	18.6
147.5°	18.6
150°	18.6
152.5°	18.6
155°	18.6
157.5°	18.6
160°	17.8
162.5°	17.8
165°	16.9
167.5°	16.1
170°	15.2
172.5°	15.2
175°	14.4
177.5°	15.2
180°	15.2

(END OF REPORT)