

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: P1504290

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504290
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-21)
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 (5000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

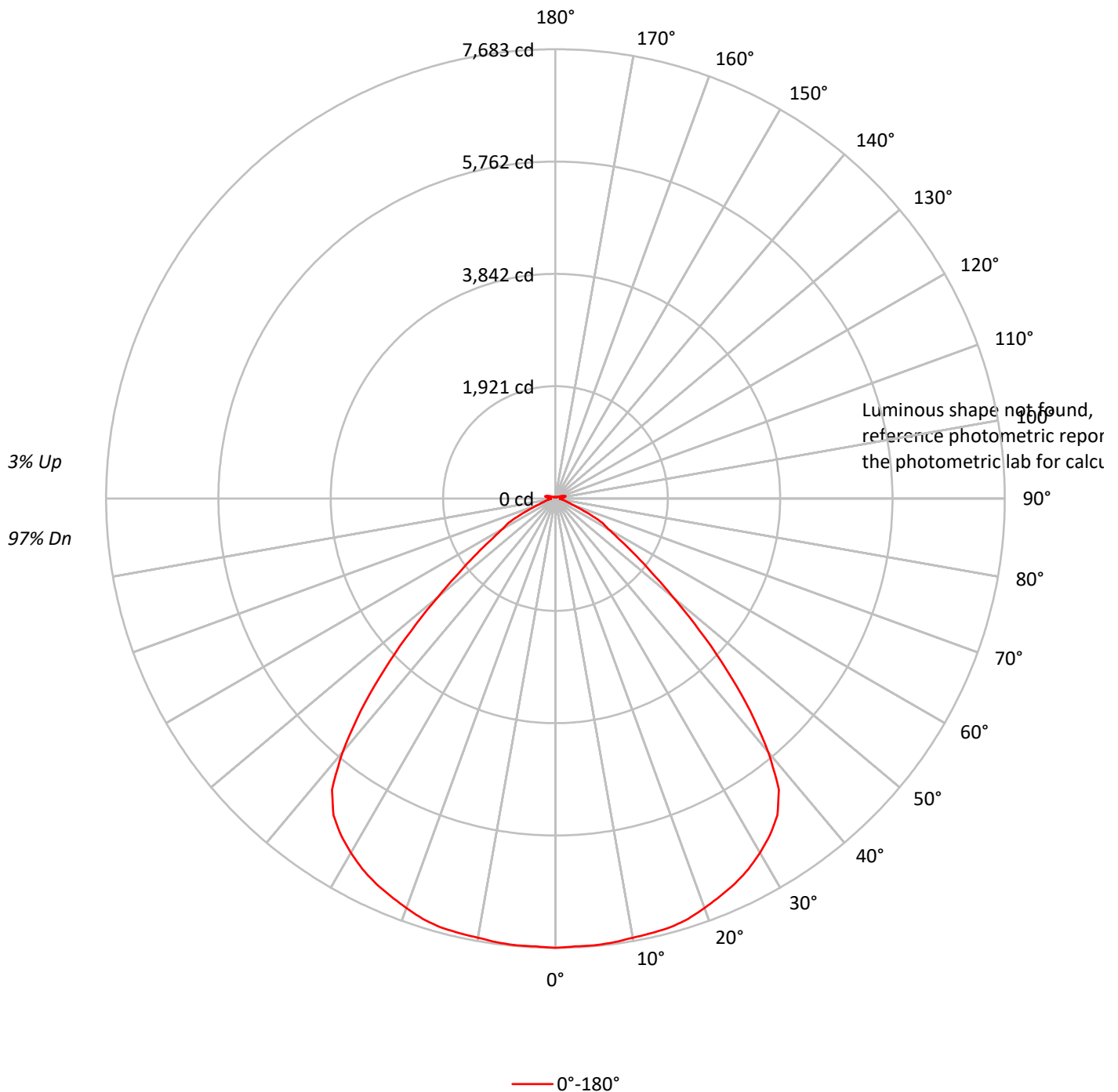
Lumens per Lamp: N/A
Luminaire Lumens: 16467.9 lumens
Efficiency: N/A
Efficacy: 164.5 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 100.1
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



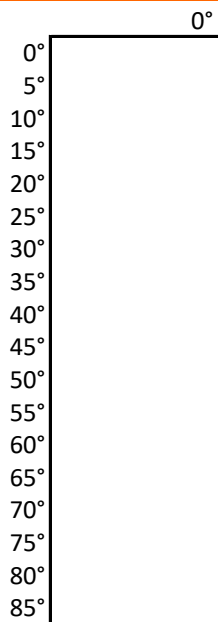
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	89	89	89	86
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	78	78	76
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	69	69	67
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	62	62	60
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	55	55	53
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	49	49	48
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	45	45	43
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	40	40	39
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	37	37	35
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	34	34	34	32

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	730.6	4.4
10°-20°	2143.4	13.0
20°-30°	3348.8	20.3
30°-40°	4075.0	24.7
40°-50°	3172.2	19.3
50°-60°	1510.6	9.2
60°-70°	663.2	4.0
70°-80°	213.5	1.3
80°-90°	98.9	0.6
90°-100°	137.1	0.8
100°-110°	172.4	1.0
110°-120°	92.3	0.6
120°-130°	37.8	0.2
130°-140°	25.5	0.2
140°-150°	21.8	0.1
150°-160°	15.6	0.1
160°-170°	7.6	0.0
170°-180°	1.8	0.0
0°-30°	6222.8	37.8
0°-40°	10297.8	62.5
0°-60°	14980.5	91.0
0°-90°	15956.0	96.9
90°-120°	401.8	2.4
90°-150°	486.9	3.0
90°-180°	512.0	3.1
0°-180°	16467.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7683	
5°	7669	731
15°	7591	2143
25°	7264	3349
35°	6613	4075
45°	4137	3172
55°	1626	1511
65°	670	663
75°	196	213
85°	83	77
90°	80	46
95°	125	113
105°	169	172
115°	91	92
125°	40	38
135°	33	25
145°	35	22
155°	34	16
165°	27	8
175°	17	2
180°	16	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7682.6
2.5°	7666.2
5°	7669.3
7.5°	7653.9
10°	7625.2
12.5°	7610.9
15°	7591.4
17.5°	7538.1
20°	7451.0
22.5°	7359.8
25°	7264.5
27.5°	7144.6
30°	6995.0
32.5°	6824.9
35°	6612.8
37.5°	6275.6
40°	5664.9
42.5°	4929.1
45°	4137.0
47.5°	3343.8
50°	2621.3
52.5°	2058.7
55°	1626.3
57.5°	1276.9
60°	1045.3
62.5°	905.9
65°	670.2
67.5°	441.7
70°	305.4
72.5°	235.7
75°	195.7
77.5°	161.9
80°	127.1
82.5°	99.4
85°	83.0
87.5°	76.9
90°	79.9
92.5°	98.4
95°	125.0
97.5°	153.7
100°	172.2
102.5°	177.3
105°	169.1
107.5°	152.7
110°	132.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	110.7
115°	91.2
117.5°	72.8
120°	58.4
122.5°	47.1
125°	40.0
127.5°	34.8
130°	32.8
132.5°	31.8
135°	32.8
137.5°	33.8
140°	33.8
142.5°	34.8
145°	34.8
147.5°	34.8
150°	34.8
152.5°	34.8
155°	33.8
157.5°	32.8
160°	30.7
162.5°	28.7
165°	26.6
167.5°	24.6
170°	21.5
172.5°	19.5
175°	17.4
177.5°	16.4
180°	16.4

(END OF REPORT)