

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: P1504346

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (6500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504346
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-25)
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-TRWH-PS (6500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

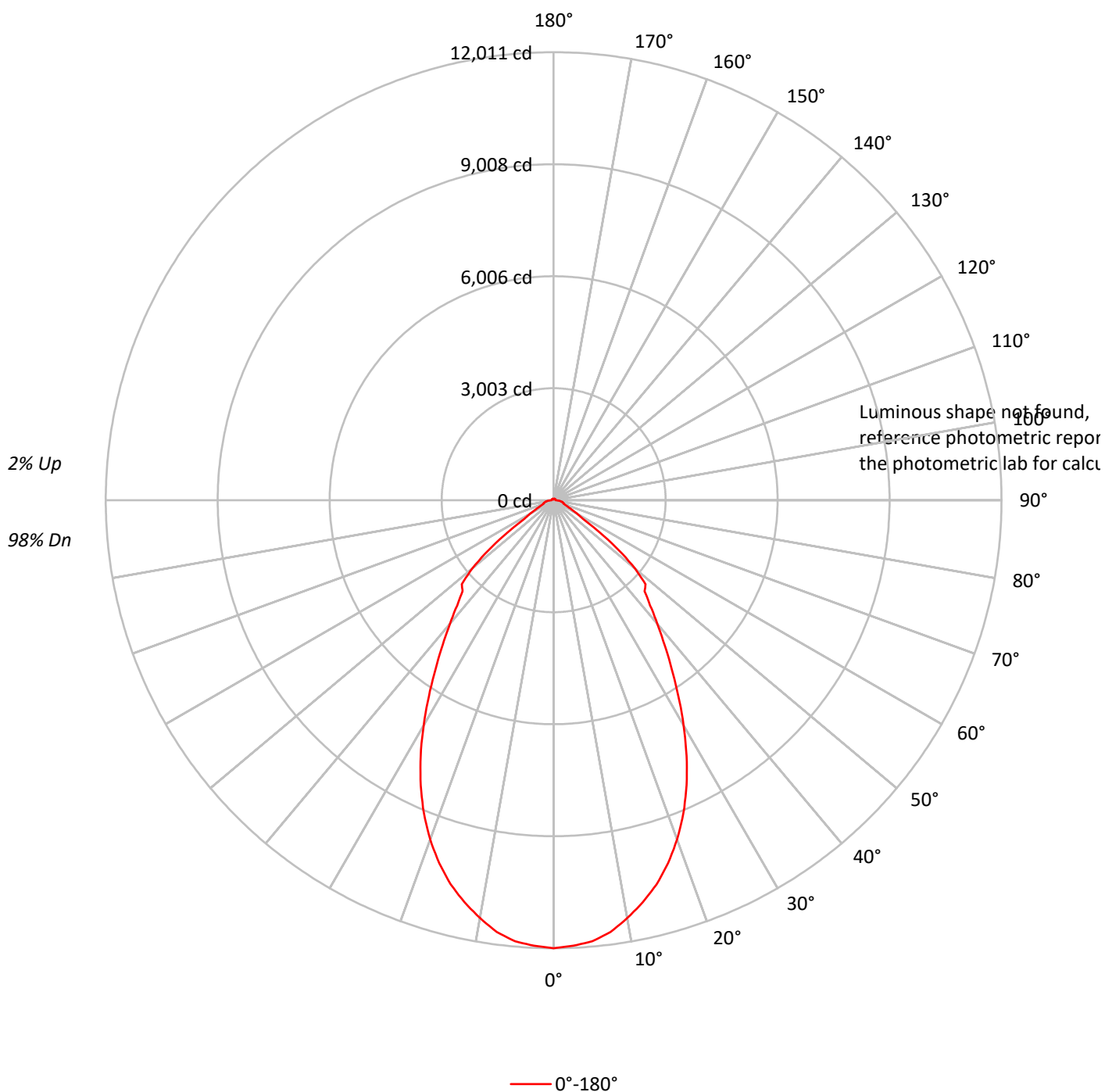
Lumens per Lamp: N/A
Luminaire Lumens: 16761.8 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 123.3
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100
1	111	108	104	102	108	105	102	100	101	99	96	97	95	93	93	92	90
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81
3	97	89	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1117.2	6.7
10°-20°	2982.7	17.8
20°-30°	3847.8	23.0
30°-40°	3464.7	20.7
40°-50°	2737.5	16.3
50°-60°	1427.3	8.5
60°-70°	460.4	2.7
70°-80°	274.0	1.6
80°-90°	150.6	0.9
90°-100°	56.0	0.3
100°-110°	54.9	0.3
110°-120°	50.8	0.3
120°-130°	44.0	0.3
130°-140°	35.9	0.2
140°-150°	28.3	0.2
150°-160°	18.6	0.1
160°-170°	8.8	0.1
170°-180°	2.2	0.0
0°-30°	7947.7	47.4
0°-40°	11412.4	68.1
0°-60°	15577.2	92.9
0°-90°	16462.3	98.2
90°-120°	161.7	1.0
90°-150°	269.9	1.6
90°-180°	300.0	1.8
0°-180°	16761.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12011	
5°	11870	###
15°	10661	2983
25°	8434	3848
35°	5514	3465
45°	3452	2738
55°	1513	1427
65°	434	460
75°	260	274
85°	141	131
90°	52	34
95°	52	42
105°	53	55
115°	52	51
125°	49	44
135°	46	36
145°	45	28
155°	40	19
165°	30	9
175°	22	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12011.4
2.5°	11954.0
5°	11869.5
7.5°	11677.1
10°	11373.3
12.5°	11038.9
15°	10661.2
17.5°	10206.0
20°	9678.1
22.5°	9091.6
25°	8433.5
27.5°	7721.4
30°	6969.4
32.5°	6224.5
35°	5513.6
37.5°	4882.5
40°	4326.4
42.5°	3830.2
45°	3452.5
47.5°	3339.8
50°	2847.1
52.5°	2221.9
55°	1513.3
57.5°	927.9
60°	730.8
62.5°	566.6
65°	434.0
67.5°	349.6
70°	301.5
72.5°	274.5
75°	260.4
77.5°	242.8
80°	217.0
82.5°	183.0
85°	140.8
87.5°	95.0
90°	51.6
92.5°	50.4
95°	51.6
97.5°	51.6
100°	51.6
102.5°	51.6
105°	52.8
107.5°	51.6
110°	51.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.6
115°	51.6
117.5°	50.4
120°	50.4
122.5°	49.3
125°	49.3
127.5°	48.1
130°	48.1
132.5°	46.9
135°	45.8
137.5°	45.8
140°	45.8
142.5°	45.8
145°	44.6
147.5°	44.6
150°	44.6
152.5°	43.4
155°	39.9
157.5°	36.4
160°	35.2
162.5°	32.8
165°	30.5
167.5°	28.2
170°	25.8
172.5°	23.5
175°	22.3
177.5°	21.1
180°	21.1

(END OF REPORT)