

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: P1504335

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504335
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-5)
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 (5000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

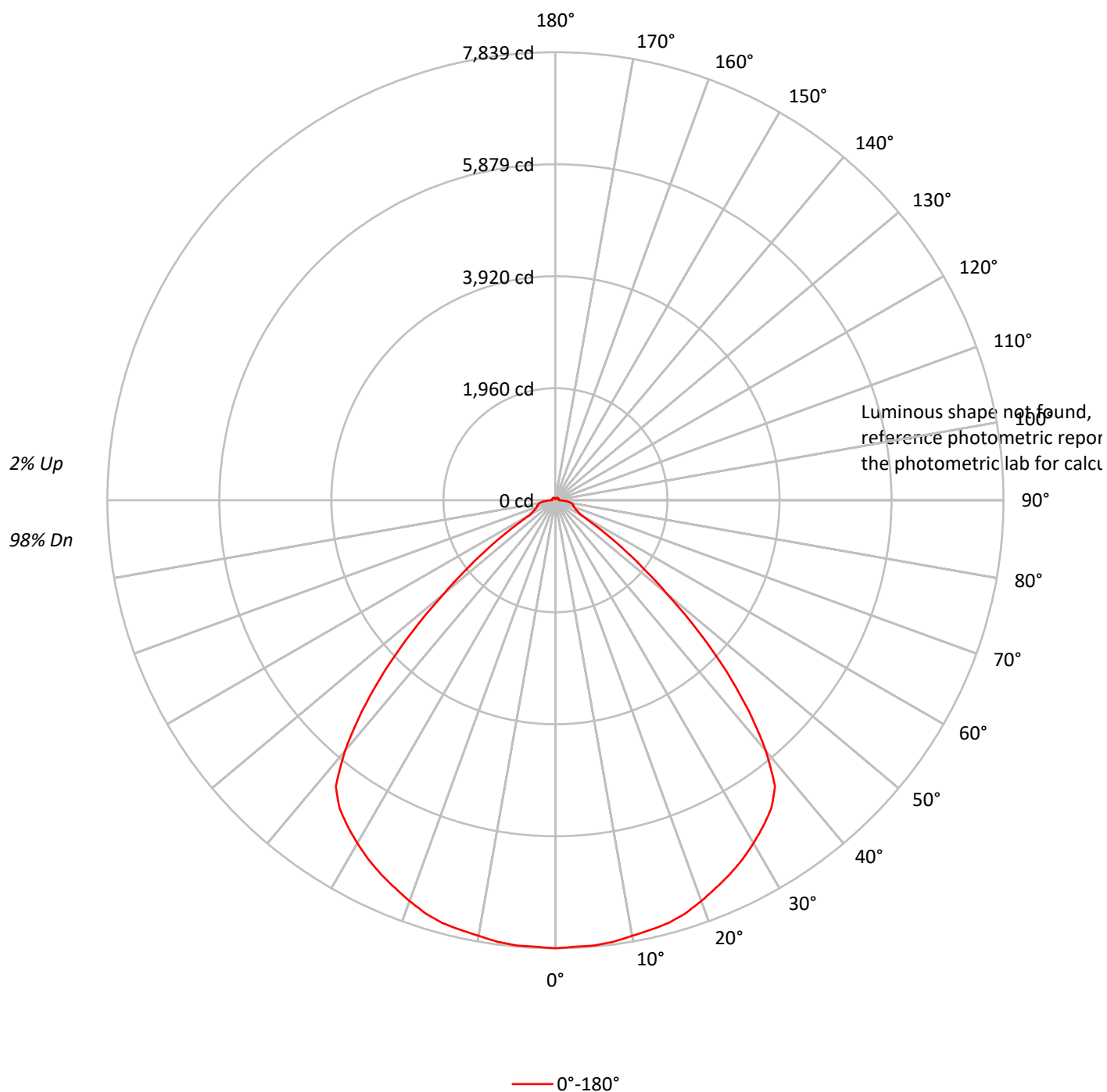
Lumens per Lamp: N/A
Luminaire Lumens: 16040.6 lumens
Efficiency: N/A
Efficacy: 160.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98			
1	111	107	104	101	108	104	101	99	100	97	95	96	94	92	92	90	89	87			
2	103	96	91	86	100	94	89	85	91	87	83	87	84	81	84	81	79	77			
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	77	73	70	68			
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63	61			
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	54			
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50	49			
7	72	60	53	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41	40			
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	743.8	4.6
10°-20°	2159.7	13.5
20°-30°	3330.3	20.8
30°-40°	4068.0	25.4
40°-50°	3210.0	20.0
50°-60°	1235.8	7.7
60°-70°	410.1	2.6
70°-80°	334.1	2.1
80°-90°	197.9	1.2
90°-100°	66.8	0.4
100°-110°	65.6	0.4
110°-120°	60.0	0.4
120°-130°	51.9	0.3
130°-140°	42.2	0.3
140°-150°	32.5	0.2
150°-160°	20.7	0.1
160°-170°	9.1	0.1
170°-180°	2.2	0.0
0°-30°	6233.8	38.9
0°-40°	10301.9	64.2
0°-60°	14747.7	91.9
0°-90°	15689.7	97.8
90°-120°	192.5	1.2
90°-150°	319.0	2.0
90°-180°	351.0	2.2
0°-180°	16040.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7839	
5°	7820	744
15°	7656	2160
25°	7219	3330
35°	6583	4068
45°	4224	3210
55°	1323	1236
65°	405	410
75°	319	334
85°	191	172
90°	62	42
95°	62	50
105°	62	66
115°	60	60
125°	57	52
135°	54	42
145°	51	32
155°	44	21
165°	31	9
175°	20	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7839.4
2.5°	7820.0
5°	7820.0
7.5°	7790.2
10°	7739.0
12.5°	7699.0
15°	7656.0
17.5°	7575.0
20°	7461.3
22.5°	7340.4
25°	7219.4
27.5°	7086.2
30°	6929.4
32.5°	6764.4
35°	6583.1
37.5°	6309.5
40°	5730.5
42.5°	5015.2
45°	4224.1
47.5°	3375.6
50°	2550.6
52.5°	1882.5
55°	1323.0
57.5°	846.5
60°	521.6
62.5°	451.9
65°	404.8
67.5°	365.8
70°	347.4
72.5°	331.0
75°	318.7
77.5°	302.3
80°	276.7
82.5°	240.8
85°	190.6
87.5°	126.0
90°	61.5
92.5°	60.5
95°	61.5
97.5°	61.5
100°	61.5
102.5°	62.5
105°	62.5
107.5°	61.5
110°	61.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	61.5
115°	60.5
117.5°	59.4
120°	59.4
122.5°	58.4
125°	57.4
127.5°	57.4
130°	56.4
132.5°	55.3
135°	54.3
137.5°	53.3
140°	53.3
142.5°	52.3
145°	51.2
147.5°	51.2
150°	50.2
152.5°	48.2
155°	44.1
157.5°	41.0
160°	37.9
162.5°	34.8
165°	30.7
167.5°	28.7
170°	25.6
172.5°	23.6
175°	20.5
177.5°	19.5
180°	19.5

(END OF REPORT)