

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: P1504333

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504333
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-26)
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_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

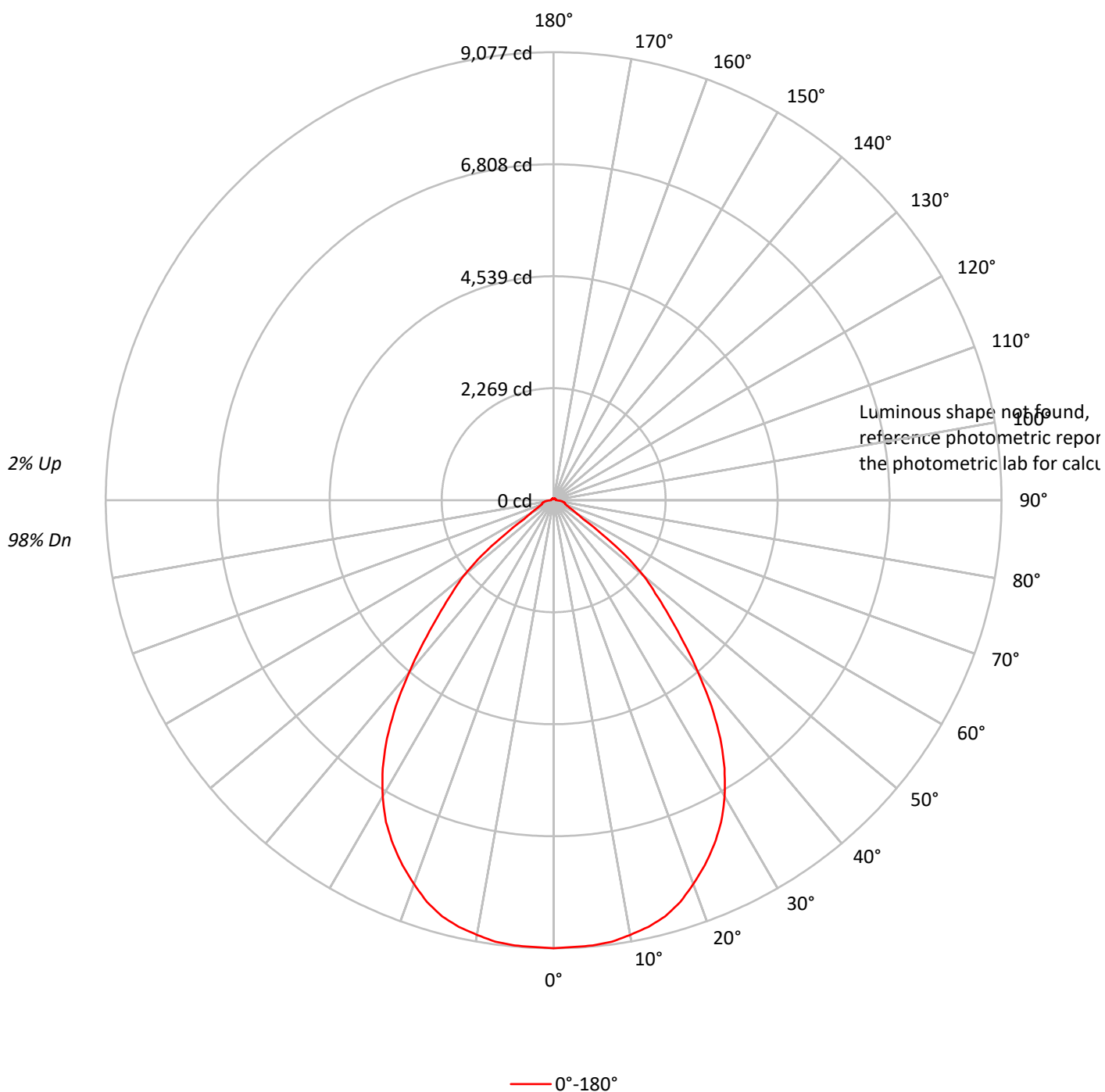
Lumens per Lamp: N/A
Luminaire Lumens: 15235.5 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	102	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	85	83	81	79		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	60	55	77	67	60	55	65	59	54	63	58	54	62	57	53	51		
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	57	52	48	47		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	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°	860.9	5.7
10°-20°	2451.5	16.1
20°-30°	3529.5	23.2
30°-40°	3633.1	23.8
40°-50°	2582.5	17.0
50°-60°	1146.0	7.5
60°-70°	371.3	2.4
70°-80°	248.3	1.6
80°-90°	141.1	0.9
90°-100°	50.8	0.3
100°-110°	49.8	0.3
110°-120°	46.0	0.3
120°-130°	39.8	0.3
130°-140°	32.7	0.2
140°-150°	25.7	0.2
150°-160°	16.7	0.1
160°-170°	7.7	0.1
170°-180°	1.9	0.0
0°-30°	6841.9	44.9
0°-40°	10475.1	68.8
0°-60°	14203.6	93.2
0°-90°	14964.2	98.2
90°-120°	146.7	1.0
90°-150°	244.9	1.6
90°-180°	271.0	1.8
0°-180°	15235.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9077	
5°	9056	861
15°	8730	2451
25°	7698	3530
35°	5887	3633
45°	3299	2583
55°	1199	1146
65°	358	371
75°	237	248
85°	133	122
90°	47	32
95°	46	38
105°	47	50
115°	46	46
125°	44	40
135°	42	33
145°	41	26
155°	36	17
165°	27	8
175°	20	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9077.3
2.5°	9058.9
5°	9055.8
7.5°	9021.0
10°	8942.1
12.5°	8855.0
15°	8729.9
17.5°	8533.2
20°	8274.9
22.5°	8002.4
25°	7698.0
27.5°	7353.7
30°	6930.5
32.5°	6444.7
35°	5887.3
37.5°	5246.8
40°	4551.0
42.5°	3893.1
45°	3298.7
47.5°	2797.6
50°	2385.6
52.5°	1816.9
55°	1199.0
57.5°	704.0
60°	546.2
62.5°	440.6
65°	357.6
67.5°	298.2
70°	267.5
72.5°	248.0
75°	236.7
77.5°	221.3
80°	199.8
82.5°	169.1
85°	133.2
87.5°	92.2
90°	47.1
92.5°	46.1
95°	46.1
97.5°	47.1
100°	47.1
102.5°	47.1
105°	47.1
107.5°	47.1
110°	47.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	47.1
115°	46.1
117.5°	46.1
120°	45.1
122.5°	45.1
125°	44.1
127.5°	44.1
130°	43.0
132.5°	43.0
135°	42.0
137.5°	42.0
140°	41.0
142.5°	41.0
145°	41.0
147.5°	41.0
150°	40.0
152.5°	38.9
155°	35.9
157.5°	32.8
160°	31.8
162.5°	28.7
165°	26.6
167.5°	24.6
170°	22.5
172.5°	20.5
175°	19.5
177.5°	18.4
180°	18.4

(END OF REPORT)