

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: P1504694

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504694
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-37)
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-TRWH-PS (5000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

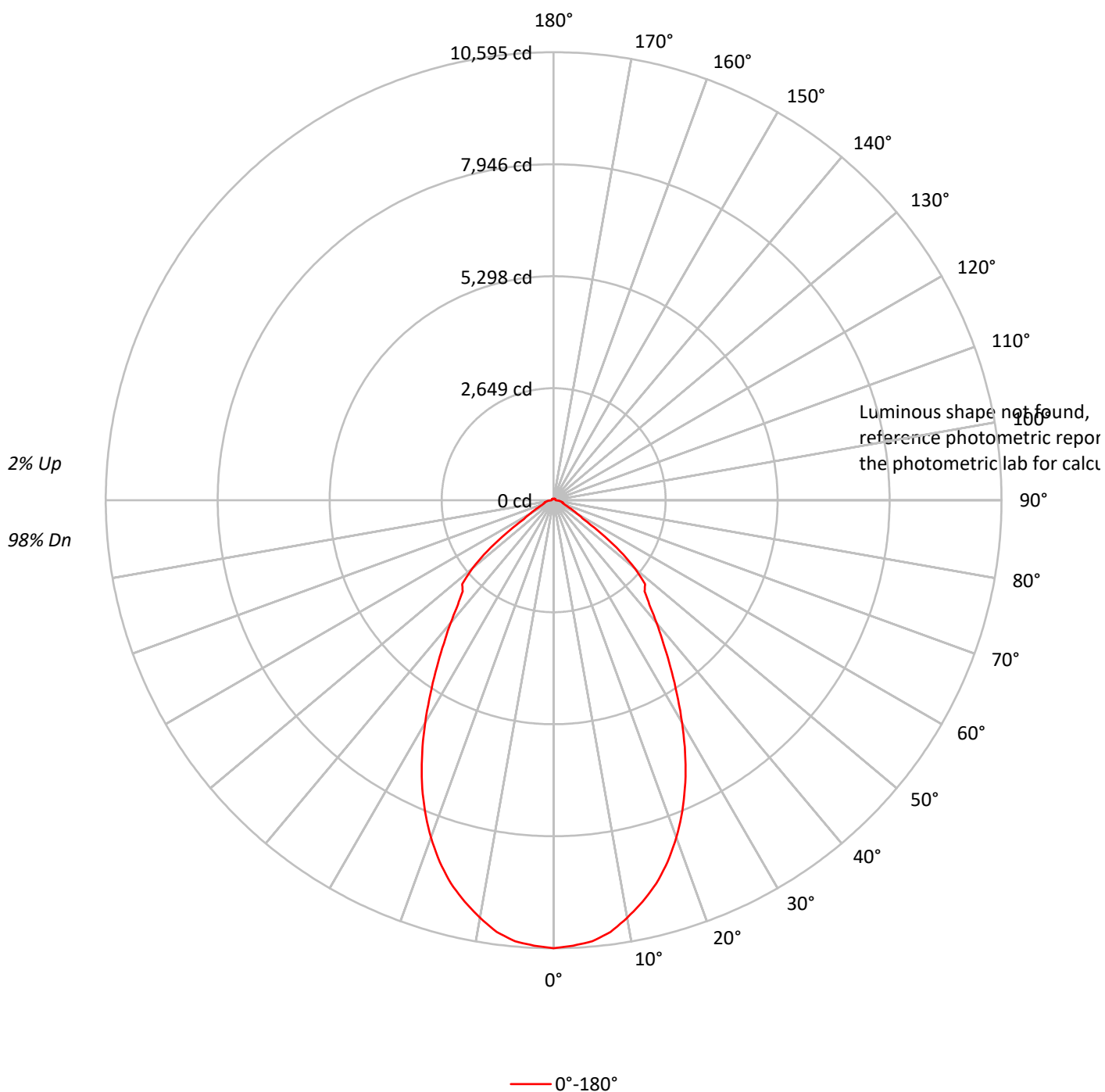
Lumens per Lamp: N/A
Luminaire Lumens: 14705.9 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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



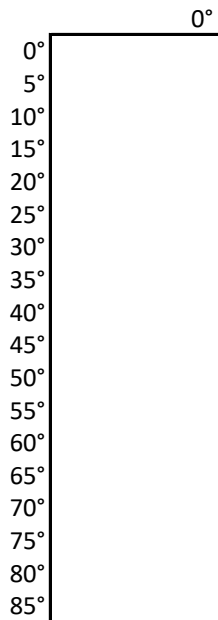
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	105	102	108	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72	71		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59	57		
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54	52		
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	985.3	6.7
10°-20°	2623.5	17.8
20°-30°	3363.2	22.9
30°-40°	3022.8	20.6
40°-50°	2402.5	16.3
50°-60°	1279.9	8.7
60°-70°	407.4	2.8
70°-80°	230.9	1.6
80°-90°	120.4	0.8
90°-100°	48.0	0.3
100°-110°	47.8	0.3
110°-120°	45.1	0.3
120°-130°	39.9	0.3
130°-140°	33.1	0.2
140°-150°	26.2	0.2
150°-160°	17.8	0.1
160°-170°	9.3	0.1
170°-180°	2.6	0.0
0°-30°	6972.1	47.4
0°-40°	9994.8	68.0
0°-60°	13677.2	93.0
0°-90°	14436.0	98.2
90°-120°	140.9	1.0
90°-150°	240.2	1.6
90°-180°	270.0	1.8
0°-180°	14705.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10595	
5°	10470	985
15°	9382	2624
25°	7372	3363
35°	4811	3023
45°	3045	2402
55°	1382	1280
65°	385	407
75°	220	231
85°	111	104
90°	44	28
95°	44	36
105°	45	48
115°	45	45
125°	44	40
135°	43	33
145°	42	26
155°	38	18
165°	33	9
175°	27	3
180°	27	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10595.0
2.5°	10543.8
5°	10470.0
7.5°	10299.9
10°	10025.2
12.5°	9724.0
15°	9381.7
17.5°	8968.7
20°	8489.1
22.5°	7958.3
25°	7372.1
27.5°	6735.8
30°	6074.8
32.5°	5421.0
35°	4811.3
37.5°	4265.1
40°	3783.4
42.5°	3348.9
45°	3044.6
47.5°	2929.8
50°	2507.6
52.5°	1982.9
55°	1382.4
57.5°	840.3
60°	649.7
62.5°	505.2
65°	385.3
67.5°	306.4
70°	260.3
72.5°	233.6
75°	220.3
77.5°	201.9
80°	176.3
82.5°	145.5
85°	110.7
87.5°	75.8
90°	44.1
92.5°	43.0
95°	44.1
97.5°	44.1
100°	45.1
102.5°	45.1
105°	45.1
107.5°	45.1
110°	46.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.1
115°	45.1
117.5°	45.1
120°	45.1
122.5°	45.1
125°	44.1
127.5°	44.1
130°	44.1
132.5°	43.0
135°	43.0
137.5°	42.0
140°	42.0
142.5°	42.0
145°	42.0
147.5°	41.0
150°	41.0
152.5°	40.0
155°	37.9
157.5°	36.9
160°	35.9
162.5°	33.8
165°	32.8
167.5°	30.7
170°	29.7
172.5°	27.7
175°	26.6
177.5°	26.6
180°	26.6

(END OF REPORT)