

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: P1504640

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504640
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-31)
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-CLER-PS (4000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

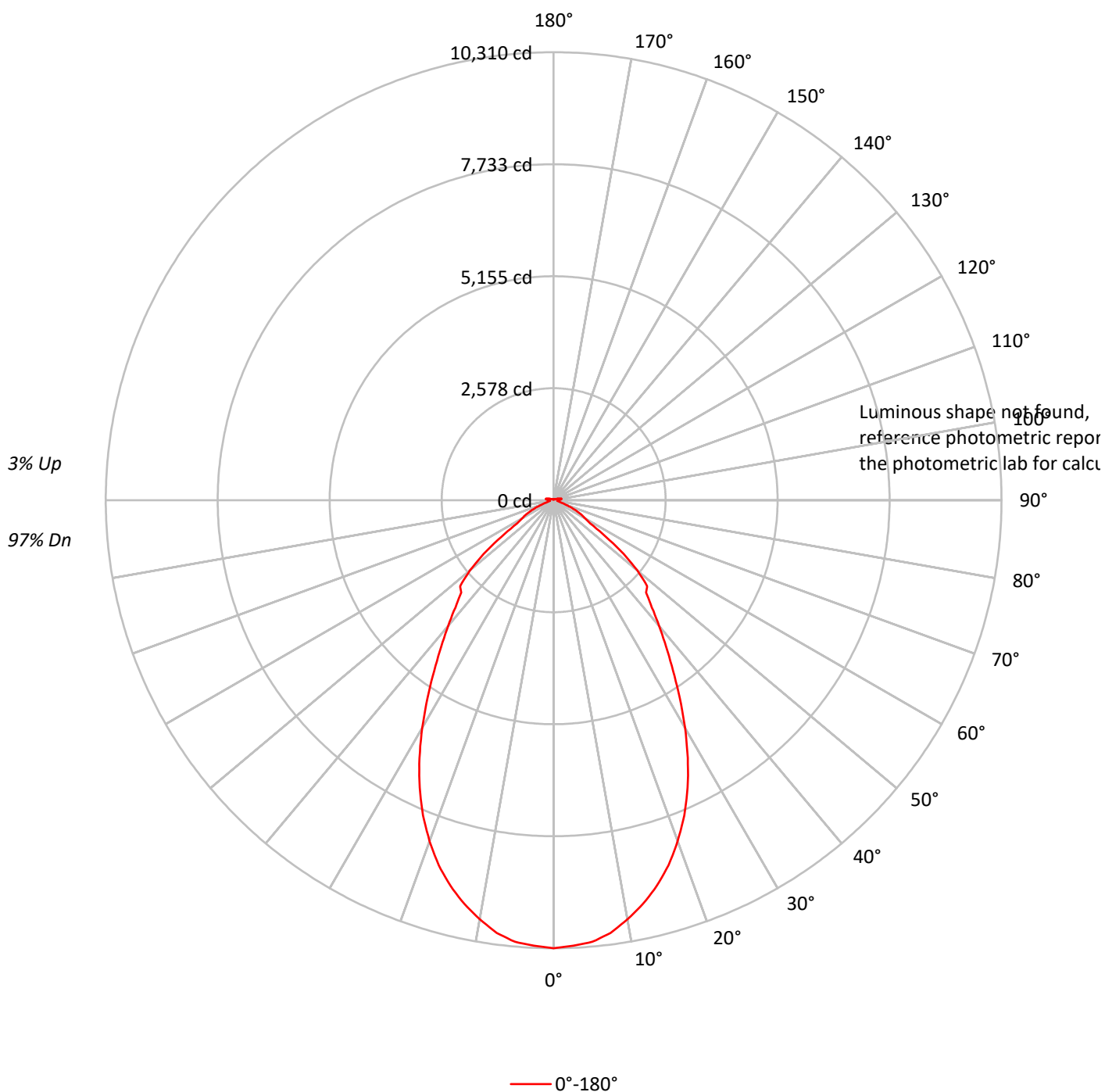
Lumens per Lamp: N/A
Luminaire Lumens: 14939.2 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 99.5
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





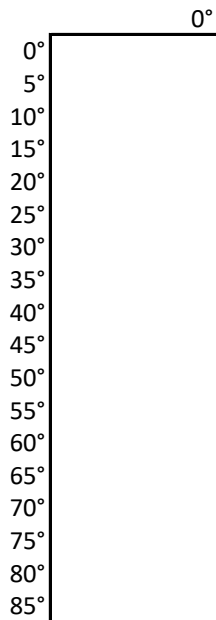
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99			
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	89	89	89	89	87			
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	80	80	80	80	77			
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	71	71	71	71	69			
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	61	58	58	58	58	58	56			
6	79	68	60	55	77	67	60	55	65	58	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	46			
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	44	44	44	44	42			
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	41	41	41	41	39			
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	38	38	38	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°	960.6	6.4
10°-20°	2571.1	17.2
20°-30°	3328.4	22.3
30°-40°	3010.5	20.2
40°-50°	2392.0	16.0
50°-60°	1367.3	9.2
60°-70°	563.1	3.8
70°-80°	166.0	1.1
80°-90°	96.8	0.6
90°-100°	168.1	1.1
100°-110°	163.3	1.1
110°-120°	74.6	0.5
120°-130°	27.5	0.2
130°-140°	17.7	0.1
140°-150°	14.3	0.1
150°-160°	10.3	0.1
160°-170°	5.8	0.0
170°-180°	1.7	0.0
0°-30°	6860.1	45.9
0°-40°	9870.6	66.1
0°-60°	13629.9	91.2
0°-90°	14455.7	96.8
90°-120°	406.1	2.7
90°-150°	465.7	3.1
90°-180°	483.0	3.2
0°-180°	14939.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10310	
5°	10202	961
15°	9184	2571
25°	7298	3328
35°	4790	3010
45°	3004	2392
55°	1465	1367
65°	578	563
75°	139	166
85°	81	70
90°	106	59
95°	160	136
105°	157	163
115°	72	75
125°	28	28
135°	22	18
145°	22	14
155°	22	10
165°	20	6
175°	17	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10310.3
2.5°	10260.5
5°	10201.5
7.5°	10042.8
10°	9793.6
12.5°	9512.9
15°	9184.4
17.5°	8804.0
20°	8348.3
22.5°	7853.0
25°	7297.7
27.5°	6686.4
30°	6045.6
32.5°	5400.8
35°	4789.5
37.5°	4246.4
40°	3775.5
42.5°	3347.3
45°	3004.5
47.5°	2919.1
50°	2512.2
52.5°	2025.0
55°	1464.6
57.5°	998.8
60°	843.2
62.5°	715.0
65°	577.7
67.5°	427.2
70°	283.8
72.5°	186.1
75°	139.3
77.5°	114.9
80°	95.6
82.5°	83.4
85°	81.4
87.5°	89.5
90°	105.8
92.5°	132.2
95°	159.7
97.5°	180.0
100°	184.1
102.5°	174.9
105°	156.6
107.5°	136.3
110°	112.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	92.6
115°	72.2
117.5°	55.9
120°	43.7
122.5°	34.6
125°	28.5
127.5°	25.4
130°	23.4
132.5°	22.4
135°	22.4
137.5°	23.4
140°	23.4
142.5°	23.4
145°	22.4
147.5°	22.4
150°	22.4
152.5°	22.4
155°	22.4
157.5°	22.4
160°	21.4
162.5°	21.4
165°	20.3
167.5°	19.3
170°	18.3
172.5°	18.3
175°	17.3
177.5°	18.3
180°	18.3

(END OF REPORT)