

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: P1504276

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504276
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-20)
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-CLER-PS (4000K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

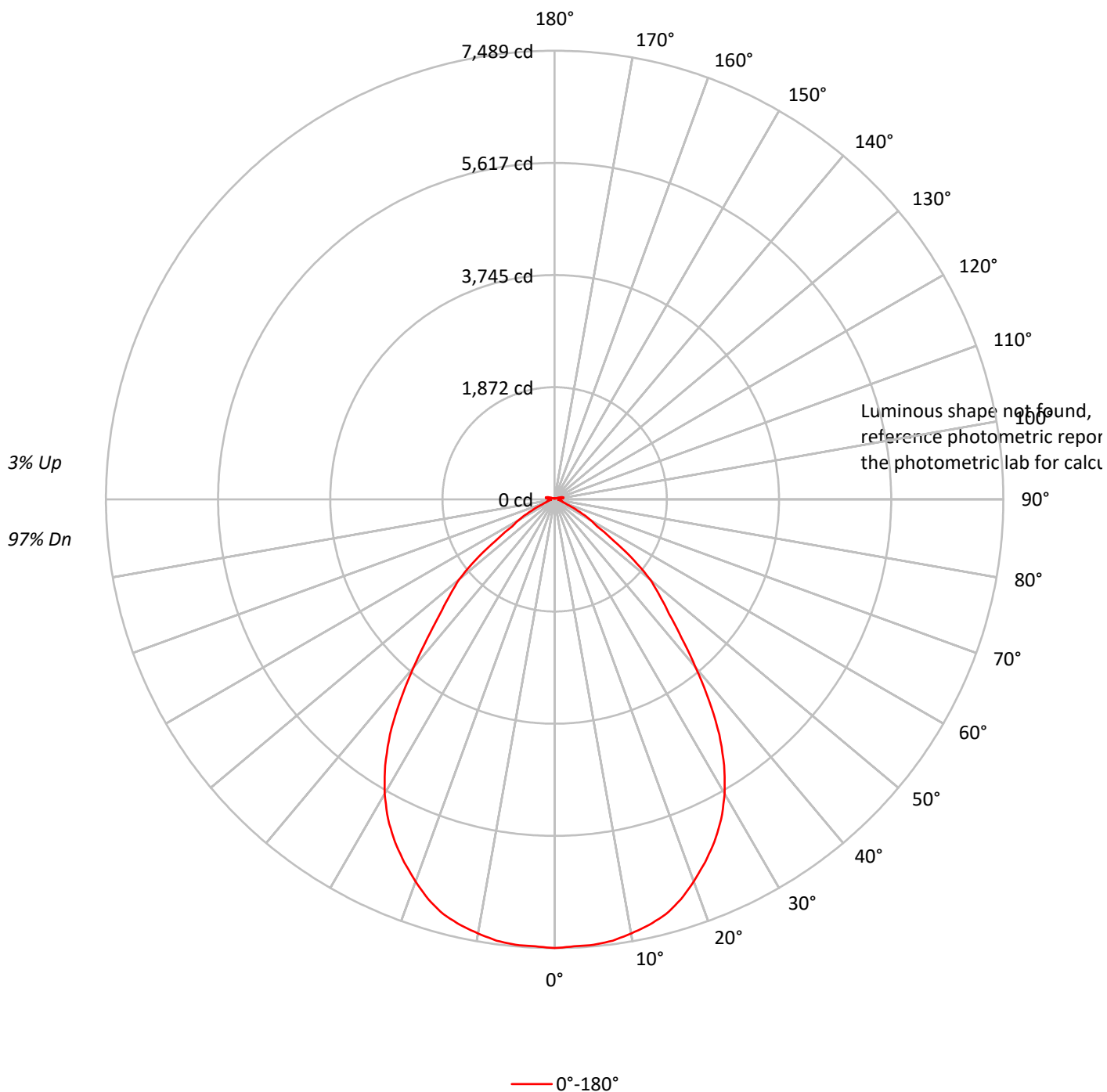
Lumens per Lamp: N/A
Luminaire Lumens: 12821.7 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 80.7
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





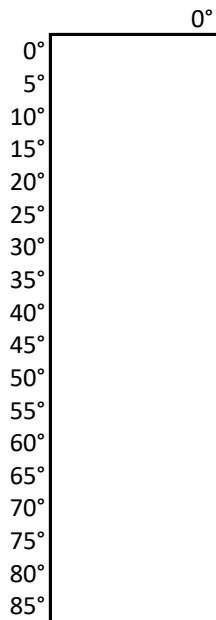
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	45	55	49	44	54	48	44	52	47	43	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	38		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.1	5.5
10°-20°	2013.2	15.7
20°-30°	2891.6	22.6
30°-40°	2952.5	23.0
40°-50°	2129.8	16.6
50°-60°	1132.0	8.8
60°-70°	381.8	3.0
70°-80°	130.1	1.0
80°-90°	75.0	0.6
90°-100°	124.8	1.0
100°-110°	141.3	1.1
110°-120°	67.7	0.5
120°-130°	25.9	0.2
130°-140°	16.7	0.1
140°-150°	14.0	0.1
150°-160°	10.1	0.1
160°-170°	4.8	0.0
170°-180°	1.3	0.0
0°-30°	5614.0	43.8
0°-40°	8566.5	66.8
0°-60°	11828.3	92.3
0°-90°	12415.2	96.8
90°-120°	333.8	2.6
90°-150°	390.4	3.0
90°-180°	407.0	3.2
0°-180°	12821.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7489	
5°	7463	709
15°	7170	2013
25°	6309	2892
35°	4792	2953
45°	2703	2130
55°	1208	1132
65°	361	382
75°	122	130
85°	62	56
90°	74	42
95°	116	102
105°	139	141
115°	66	68
125°	27	26
135°	21	17
145°	22	14
155°	22	10
165°	17	5
175°	13	1
180°	13	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7488.6
2.5°	7467.5
5°	7463.3
7.5°	7430.3
10°	7356.8
12.5°	7277.4
15°	7170.1
17.5°	7002.8
20°	6787.4
22.5°	6556.7
25°	6309.2
27.5°	6021.1
30°	5673.1
32.5°	5263.3
35°	4791.9
37.5°	4235.1
40°	3662.4
42.5°	3137.7
45°	2702.6
47.5°	2373.1
50°	2081.7
52.5°	1668.5
55°	1208.1
57.5°	841.5
60°	691.1
62.5°	523.0
65°	360.7
67.5°	237.4
70°	171.5
72.5°	139.4
75°	121.7
77.5°	103.9
80°	84.5
82.5°	69.3
85°	62.5
87.5°	64.2
90°	73.5
92.5°	92.1
95°	115.7
97.5°	138.6
100°	149.5
102.5°	148.7
105°	138.6
107.5°	120.8
110°	101.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	82.8
115°	65.9
117.5°	51.5
120°	40.6
122.5°	32.9
125°	27.0
127.5°	23.7
130°	22.0
132.5°	21.1
135°	21.1
137.5°	22.0
140°	22.0
142.5°	22.0
145°	22.0
147.5°	22.8
150°	22.8
152.5°	22.8
155°	22.0
157.5°	21.1
160°	19.4
162.5°	17.7
165°	16.9
167.5°	15.2
170°	14.4
172.5°	13.5
175°	12.7
177.5°	12.7
180°	12.7

(END OF REPORT)