

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: P1504287

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504287
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-21)
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 (5000K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

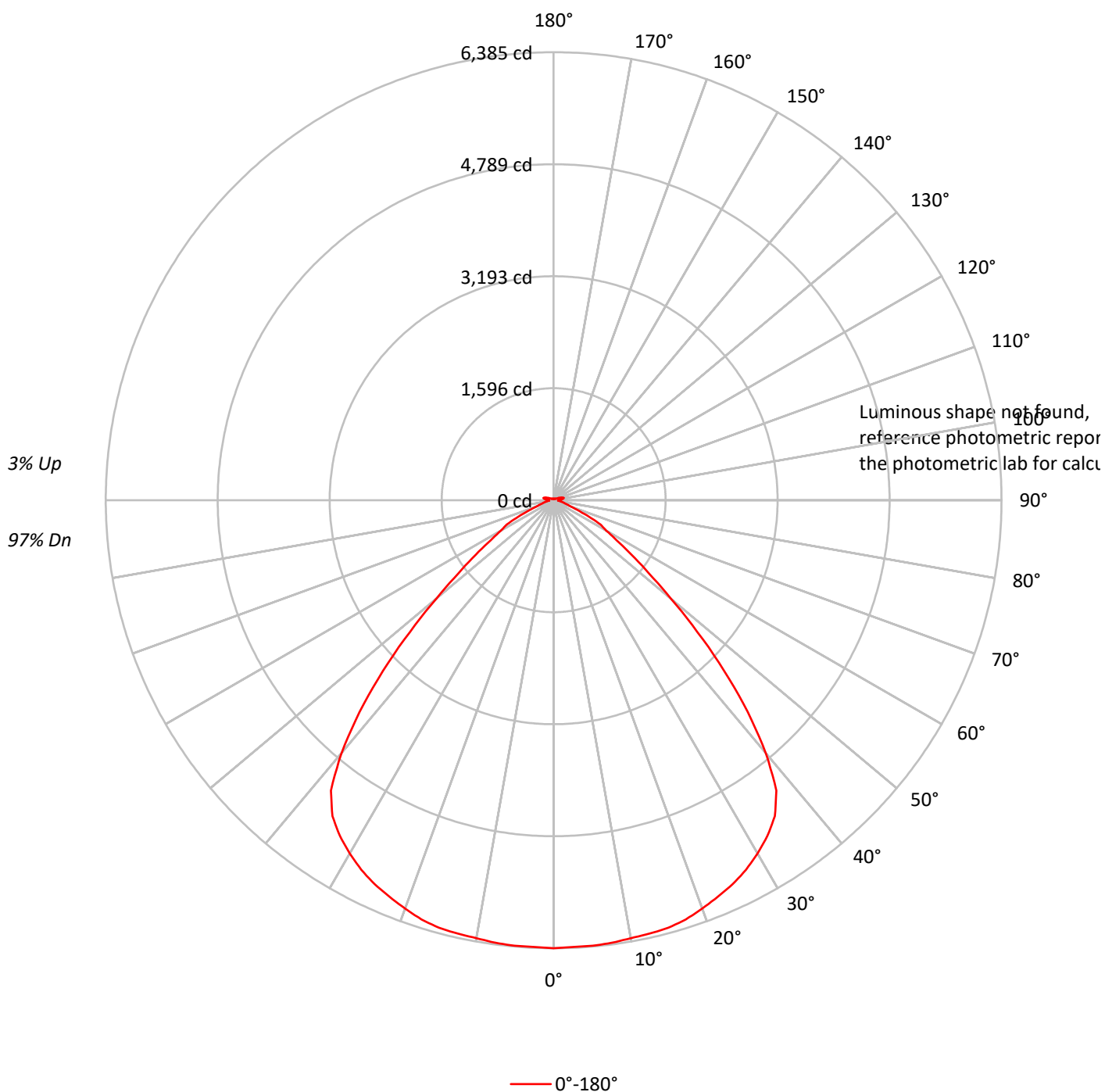
Lumens per Lamp: N/A
Luminaire Lumens: 13686.7 lumens
Efficiency: N/A
Efficacy: 168.8 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.1
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	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	104	101	99	100	97	95	95	93	92	91	90	89	89	89	89	89	86			
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	78	78	78	78	76			
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	69	69	69	69	67			
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	62	62	62	62	60			
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	55	55	55	55	53			
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	49	49	49	49	48			
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	45	45	45	45	43			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	40	40	40	40	39			
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	37	37	37	37	35			
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	34	34	34	34	34	32			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.2	4.4
10°-20°	1781.4	13.0
20°-30°	2783.2	20.3
30°-40°	3386.7	24.7
40°-50°	2636.4	19.3
50°-60°	1255.4	9.2
60°-70°	551.2	4.0
70°-80°	177.4	1.3
80°-90°	82.2	0.6
90°-100°	114.0	0.8
100°-110°	143.3	1.0
110°-120°	76.7	0.6
120°-130°	31.4	0.2
130°-140°	21.2	0.2
140°-150°	18.1	0.1
150°-160°	13.0	0.1
160°-170°	6.3	0.0
170°-180°	1.5	0.0
0°-30°	5171.8	37.8
0°-40°	8558.6	62.5
0°-60°	12450.4	91.0
0°-90°	13261.2	96.9
90°-120°	334.0	2.4
90°-150°	404.7	3.0
90°-180°	426.0	3.1
0°-180°	13686.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6385	
5°	6374	607
15°	6309	1781
25°	6038	2783
35°	5496	3387
45°	3438	2636
55°	1352	1255
65°	557	551
75°	163	177
85°	69	64
90°	66	38
95°	104	94
105°	140	143
115°	76	77
125°	33	31
135°	27	21
145°	29	18
155°	28	13
165°	22	6
175°	14	2
180°	14	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6385.1
2.5°	6371.5
5°	6374.0
7.5°	6361.3
10°	6337.4
12.5°	6325.5
15°	6309.3
17.5°	6265.0
20°	6192.6
22.5°	6116.8
25°	6037.6
27.5°	5938.0
30°	5813.6
32.5°	5672.2
35°	5495.9
37.5°	5215.7
40°	4708.1
42.5°	4096.6
45°	3438.3
47.5°	2779.1
50°	2178.6
52.5°	1711.0
55°	1351.6
57.5°	1061.2
60°	868.7
62.5°	752.9
65°	557.0
67.5°	367.1
70°	253.8
72.5°	195.9
75°	162.7
77.5°	134.6
80°	105.6
82.5°	82.6
85°	69.0
87.5°	63.9
90°	66.4
92.5°	81.8
95°	103.9
97.5°	127.8
100°	143.1
102.5°	147.3
105°	140.5
107.5°	126.9
110°	109.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	92.0
115°	75.8
117.5°	60.5
120°	48.5
122.5°	39.2
125°	33.2
127.5°	29.0
130°	27.3
132.5°	26.4
135°	27.3
137.5°	28.1
140°	28.1
142.5°	29.0
145°	29.0
147.5°	29.0
150°	29.0
152.5°	29.0
155°	28.1
157.5°	27.3
160°	25.6
162.5°	23.8
165°	22.1
167.5°	20.4
170°	17.9
172.5°	16.2
175°	14.5
177.5°	13.6
180°	13.6

(END OF REPORT)