

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: P1504285

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504285
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

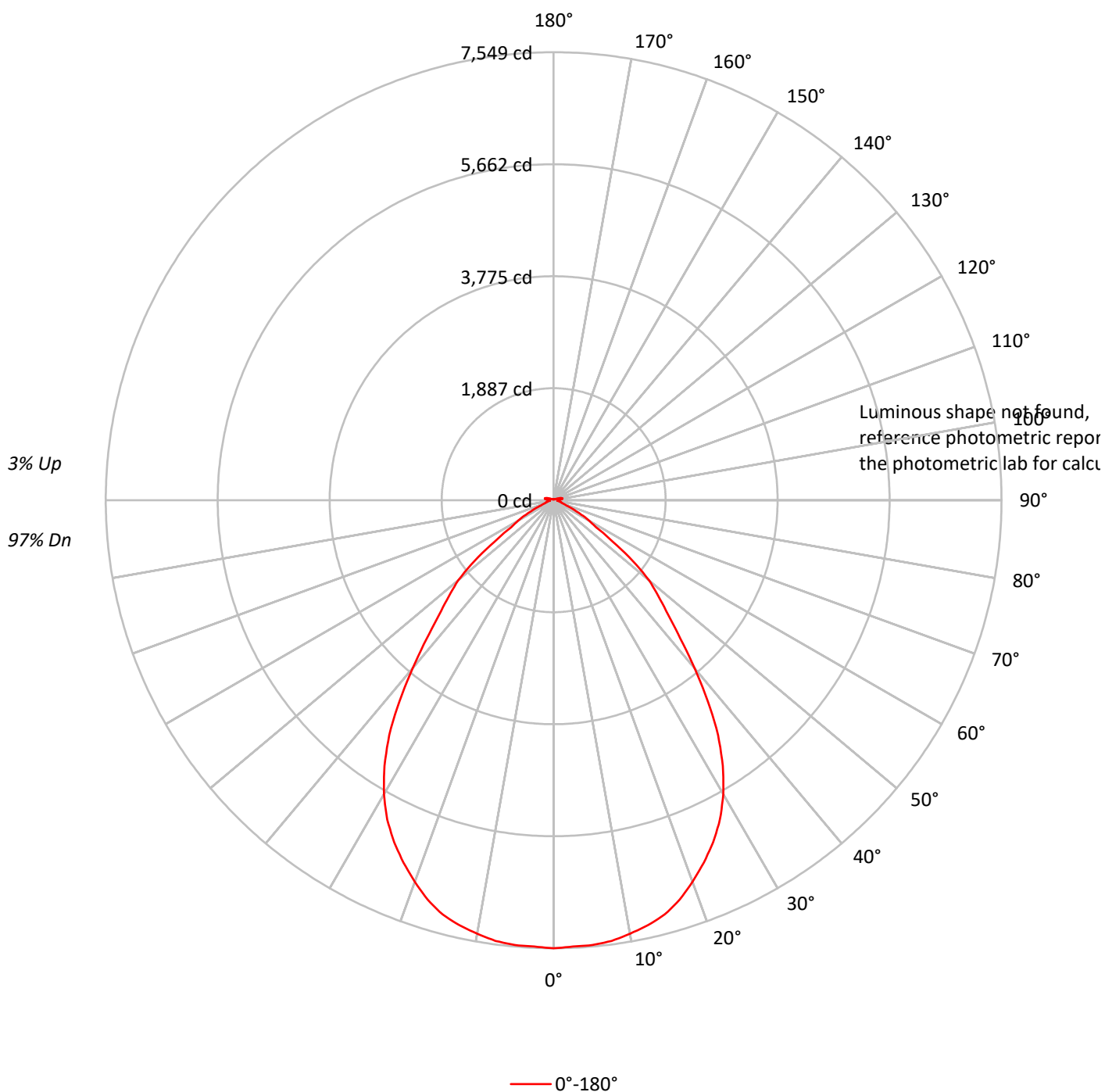
Lumens per Lamp: N/A
Luminaire Lumens: 12925.8 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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	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°	714.9	5.5
10°-20°	2029.5	15.7
20°-30°	2915.1	22.6
30°-40°	2976.5	23.0
40°-50°	2147.1	16.6
50°-60°	1141.2	8.8
60°-70°	384.9	3.0
70°-80°	131.1	1.0
80°-90°	75.6	0.6
90°-100°	125.8	1.0
100°-110°	142.5	1.1
110°-120°	68.2	0.5
120°-130°	26.1	0.2
130°-140°	16.8	0.1
140°-150°	14.1	0.1
150°-160°	10.2	0.1
160°-170°	4.8	0.0
170°-180°	1.3	0.0
0°-30°	5659.5	43.8
0°-40°	8636.0	66.8
0°-60°	11924.3	92.3
0°-90°	12515.9	96.8
90°-120°	336.5	2.6
90°-150°	393.5	3.0
90°-180°	410.0	3.2
0°-180°	12925.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7549	
5°	7524	715
15°	7228	2030
25°	6360	2915
35°	4831	2977
45°	2725	2147
55°	1218	1141
65°	364	385
75°	123	131
85°	63	57
90°	74	42
95°	117	103
105°	140	142
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°	7549.4
2.5°	7528.1
5°	7523.8
7.5°	7490.6
10°	7416.5
12.5°	7336.5
15°	7228.3
17.5°	7059.7
20°	6842.5
22.5°	6610.0
25°	6360.4
27.5°	6070.0
30°	5719.1
32.5°	5306.0
35°	4830.8
37.5°	4269.5
40°	3692.1
42.5°	3163.2
45°	2724.6
47.5°	2392.4
50°	2098.6
52.5°	1682.1
55°	1217.9
57.5°	848.3
60°	696.7
62.5°	527.2
65°	363.7
67.5°	239.3
70°	172.9
72.5°	140.5
75°	122.6
77.5°	104.8
80°	85.2
82.5°	69.8
85°	63.0
87.5°	64.7
90°	74.1
92.5°	92.8
95°	116.7
97.5°	139.7
100°	150.7
102.5°	149.9
105°	139.7
107.5°	121.8
110°	102.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	83.5
115°	66.4
117.5°	52.0
120°	40.9
122.5°	33.2
125°	27.3
127.5°	23.8
130°	22.1
132.5°	21.3
135°	21.3
137.5°	22.1
140°	22.1
142.5°	22.1
145°	22.1
147.5°	23.0
150°	23.0
152.5°	23.0
155°	22.1
157.5°	21.3
160°	19.6
162.5°	17.9
165°	17.0
167.5°	15.3
170°	14.5
172.5°	13.6
175°	12.8
177.5°	12.8
180°	12.8

(END OF REPORT)