

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: P1504260

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504260
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

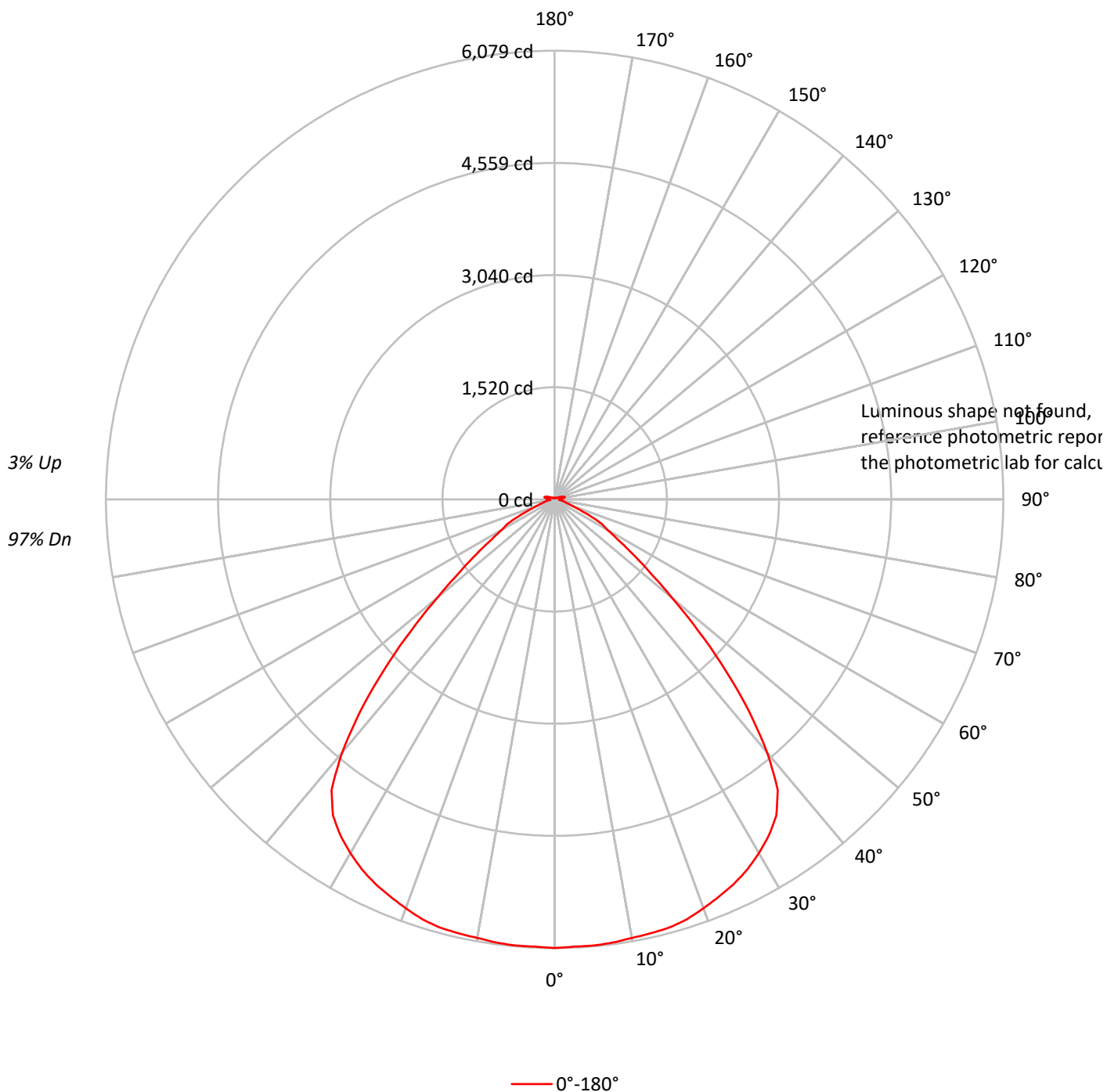
Lumens per Lamp: N/A
Luminaire Lumens: 13029.9 lumens
Efficiency: N/A
Efficacy: 157.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 82.8
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





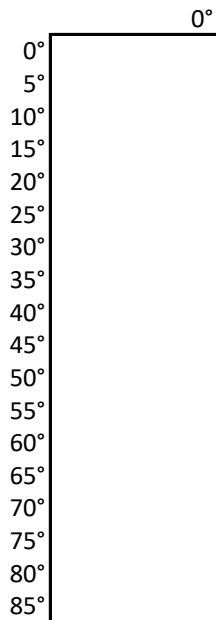
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	97	
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	89	89	86	
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	78	76	
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	69	67	
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	62	60	
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	55	53	
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	49	48	
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	45	43	
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	40	39	
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	37	35	
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	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°	578.1	4.4
10°-20°	1695.9	13.0
20°-30°	2649.7	20.3
30°-40°	3224.2	24.7
40°-50°	2509.9	19.3
50°-60°	1195.2	9.2
60°-70°	524.7	4.0
70°-80°	168.9	1.3
80°-90°	78.2	0.6
90°-100°	108.5	0.8
100°-110°	136.4	1.0
110°-120°	73.0	0.6
120°-130°	29.9	0.2
130°-140°	20.1	0.2
140°-150°	17.3	0.1
150°-160°	12.3	0.1
160°-170°	6.0	0.0
170°-180°	1.4	0.0
0°-30°	4923.7	37.8
0°-40°	8147.9	62.5
0°-60°	11853.0	91.0
0°-90°	12624.8	96.9
90°-120°	317.9	2.4
90°-150°	385.2	3.0
90°-180°	405.0	3.1
0°-180°	13029.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6079	
5°	6068	578
15°	6006	1696
25°	5748	2650
35°	5232	3224
45°	3273	2510
55°	1287	1195
65°	530	525
75°	155	169
85°	66	61
90°	63	36
95°	99	89
105°	134	136
115°	72	73
125°	32	30
135°	26	20
145°	28	17
155°	27	12
165°	21	6
175°	14	1
180°	13	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6078.7
2.5°	6065.7
5°	6068.1
7.5°	6056.0
10°	6033.3
12.5°	6021.9
15°	6006.5
17.5°	5964.4
20°	5895.4
22.5°	5823.3
25°	5747.9
27.5°	5653.0
30°	5534.6
32.5°	5400.0
35°	5232.2
37.5°	4965.4
40°	4482.2
42.5°	3900.0
45°	3273.3
47.5°	2645.7
50°	2074.1
52.5°	1628.9
55°	1286.8
57.5°	1010.3
60°	827.0
62.5°	716.8
65°	530.3
67.5°	349.5
70°	241.6
72.5°	186.5
75°	154.9
77.5°	128.1
80°	100.5
82.5°	78.6
85°	65.7
87.5°	60.8
90°	63.2
92.5°	77.8
95°	98.9
97.5°	121.6
100°	136.2
102.5°	140.3
105°	133.8
107.5°	120.8
110°	104.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	87.6
115°	72.2
117.5°	57.6
120°	46.2
122.5°	37.3
125°	31.6
127.5°	27.6
130°	25.9
132.5°	25.1
135°	25.9
137.5°	26.8
140°	26.8
142.5°	27.6
145°	27.6
147.5°	27.6
150°	27.6
152.5°	27.6
155°	26.8
157.5°	25.9
160°	24.3
162.5°	22.7
165°	21.1
167.5°	19.5
170°	17.0
172.5°	15.4
175°	13.8
177.5°	13.0
180°	13.0

(END OF REPORT)