

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: P1504474

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504474
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-44)
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-06-CLER-PS (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

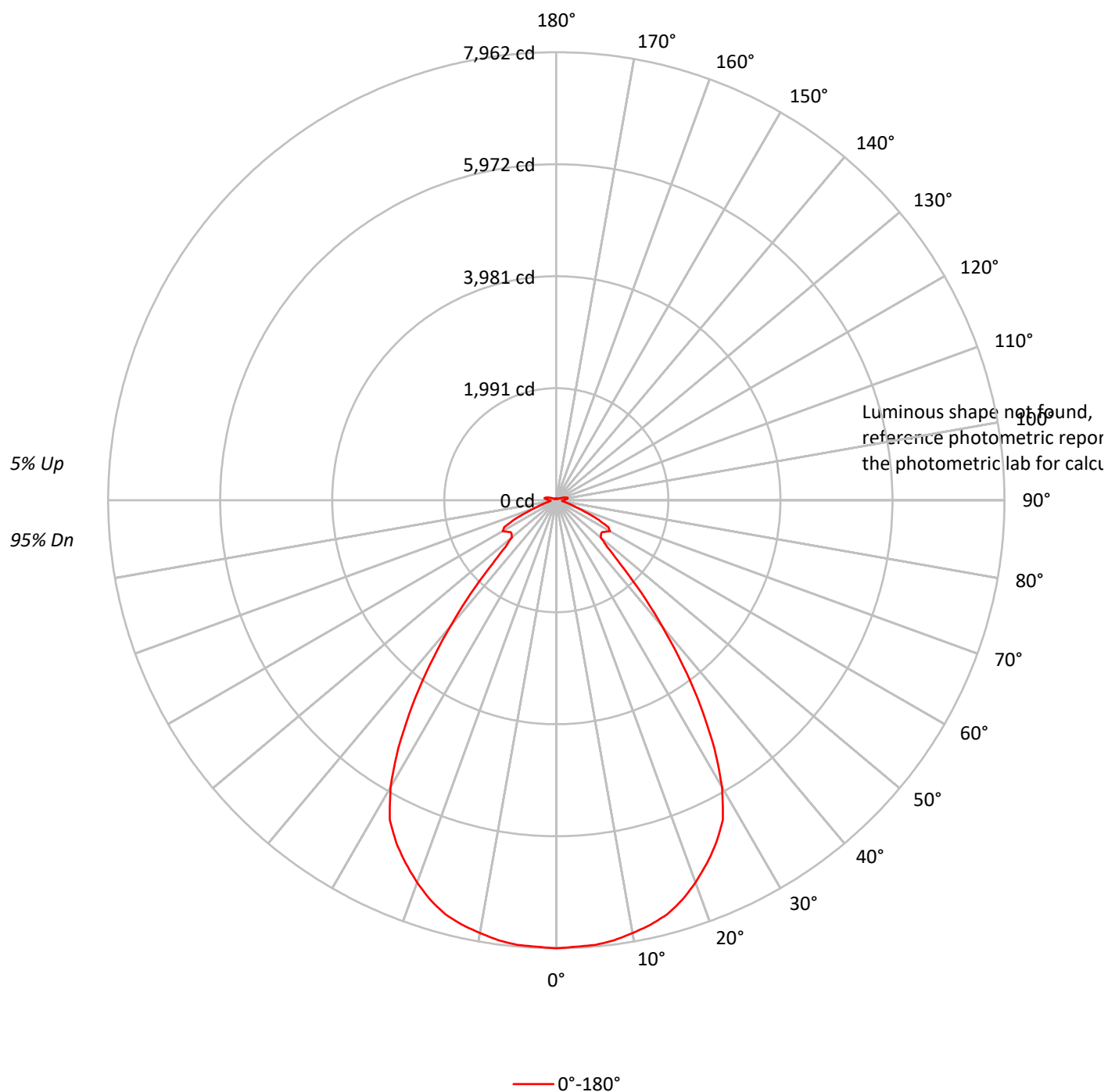
Lumens per Lamp: N/A
Luminaire Lumens: 12732.2 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 83
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



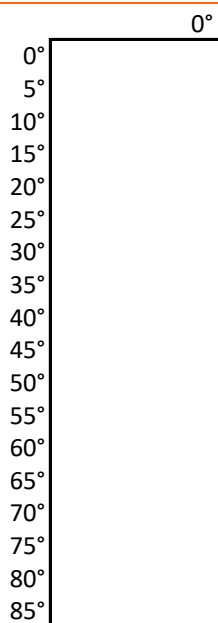
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		103	103	103		98	98	98
1	110	107	103	100	107	104	101	98		99	97	94		94	92	91		90	89	87
2	103	96	91	86	100	94	89	85		90	86	82		86	83	80		83	80	78
3	96	87	81	76	93	85	79	75		82	77	73		79	75	71		76	72	69
4	89	80	72	67	87	78	71	66		75	69	65		72	68	64		70	66	62
5	83	73	65	60	81	72	65	60		69	63	59		67	62	58		65	60	57
6	78	67	60	54	76	66	59	54		64	58	53		62	56	52		60	55	52
7	73	62	55	49	71	61	54	49		59	53	48		57	52	48		56	51	47
8	69	57	50	45	67	57	50	45		55	49	45		54	48	44		52	47	44
9	65	53	46	42	63	53	46	41		51	45	41		50	45	41		49	44	40
10	61	50	43	39	60	49	43	38		48	42	38		47	42	38		46	41	37

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.2	5.9
10°-20°	2139.9	16.8
20°-30°	3069.4	24.1
30°-40°	2755.9	21.6
40°-50°	1344.1	10.6
50°-60°	918.3	7.2
60°-70°	795.3	6.2
70°-80°	250.9	2.0
80°-90°	117.8	0.9
90°-100°	183.3	1.4
100°-110°	189.5	1.5
110°-120°	94.0	0.7
120°-130°	41.1	0.3
130°-140°	29.3	0.2
140°-150°	23.0	0.2
150°-160°	16.2	0.1
160°-170°	8.7	0.1
170°-180°	2.2	0.0
0°-30°	5962.5	46.8
0°-40°	8718.4	68.5
0°-60°	10980.8	86.2
0°-90°	12144.8	95.4
90°-120°	466.8	3.7
90°-150°	560.2	4.4
90°-180°	587.0	4.6
0°-180°	12732.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7962	
5°	7933	753
15°	7618	2140
25°	6722	3069
35°	4466	2756
45°	1606	1344
55°	989	918
65°	835	795
75°	223	251
85°	99	87
90°	119	66
95°	170	147
105°	182	189
115°	92	94
125°	44	41
135°	38	29
145°	36	23
155°	35	16
165°	30	9
175°	22	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7962.1
2.5°	7941.7
5°	7933.2
7.5°	7886.6
10°	7810.4
12.5°	7729.1
15°	7618.1
17.5°	7446.1
20°	7228.4
22.5°	6987.8
25°	6721.7
27.5°	6406.6
30°	5887.2
32.5°	5223.0
35°	4466.5
37.5°	3687.9
40°	2922.0
42.5°	2245.1
45°	1605.5
47.5°	1221.7
50°	1031.9
52.5°	998.0
55°	988.7
57.5°	1039.5
60°	1098.8
62.5°	1042.9
65°	835.3
67.5°	592.2
70°	409.2
72.5°	296.5
75°	222.8
77.5°	165.2
80°	127.1
82.5°	105.9
85°	99.1
87.5°	104.2
90°	118.6
92.5°	143.2
95°	170.3
97.5°	195.7
100°	207.6
102.5°	200.8
105°	182.1
107.5°	160.1
110°	137.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	113.5
115°	91.5
117.5°	73.7
120°	59.3
122.5°	50.0
125°	44.1
127.5°	39.8
130°	38.1
132.5°	37.3
135°	38.1
137.5°	38.1
140°	37.3
142.5°	37.3
145°	36.4
147.5°	36.4
150°	35.6
152.5°	35.6
155°	34.7
157.5°	34.7
160°	33.9
162.5°	33.0
165°	30.5
167.5°	28.0
170°	25.4
172.5°	23.7
175°	22.0
177.5°	22.0
180°	21.2

(END OF REPORT)