

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: P1504438

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504438
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 (3000K_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

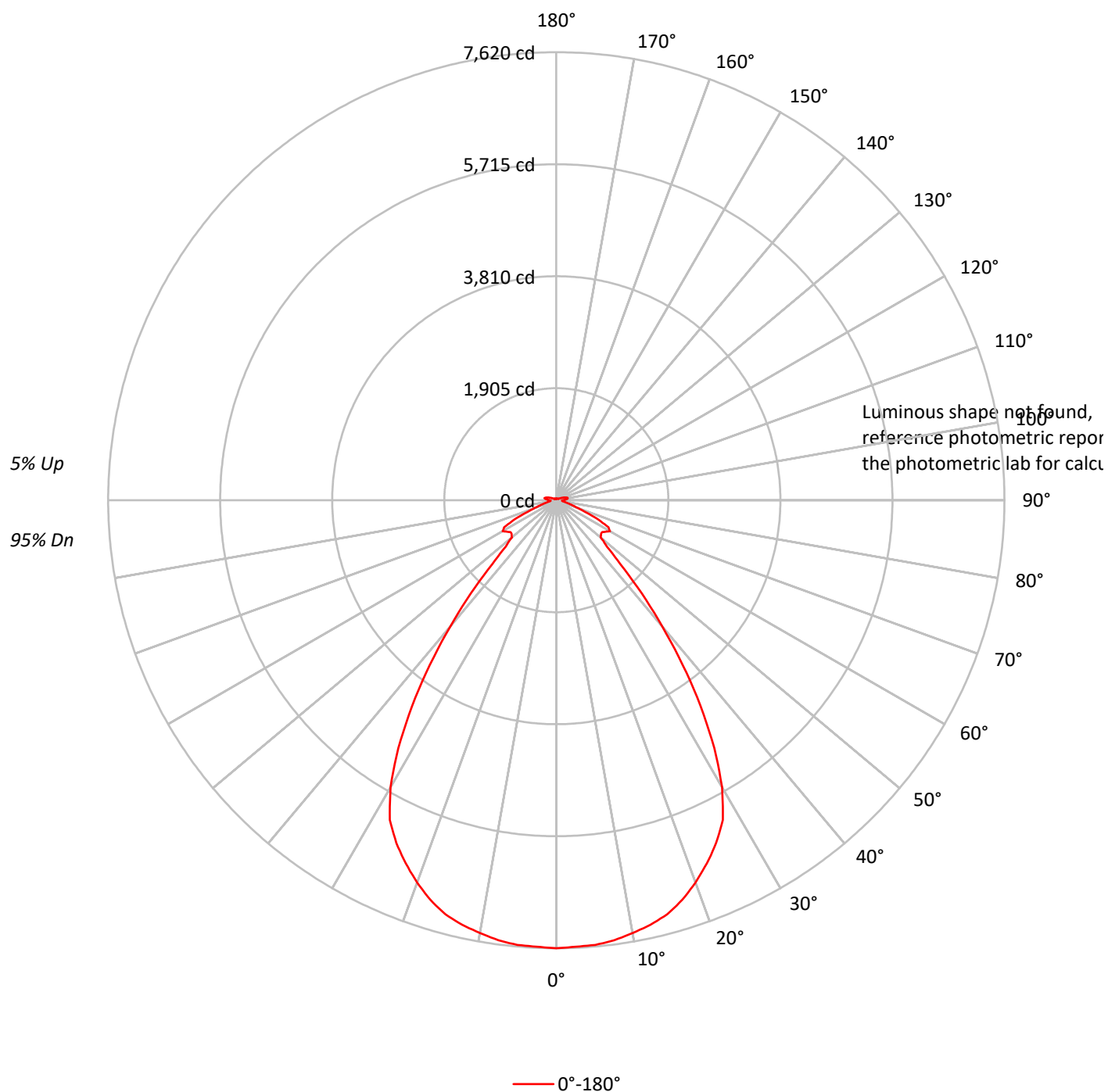
Lumens per Lamp: N/A
Luminaire Lumens: 12185.3 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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



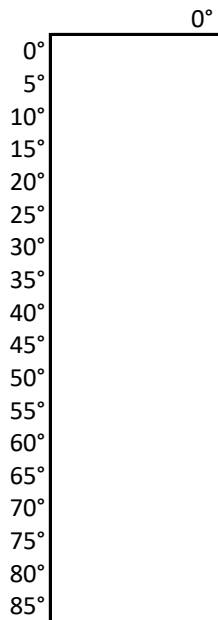
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
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°	720.9	5.9
10°-20°	2047.9	16.8
20°-30°	2937.6	24.1
30°-40°	2637.5	21.6
40°-50°	1286.4	10.6
50°-60°	878.9	7.2
60°-70°	761.1	6.2
70°-80°	240.1	2.0
80°-90°	112.8	0.9
90°-100°	175.4	1.4
100°-110°	181.4	1.5
110°-120°	90.0	0.7
120°-130°	39.4	0.3
130°-140°	28.0	0.2
140°-150°	22.1	0.2
150°-160°	15.5	0.1
160°-170°	8.3	0.1
170°-180°	2.1	0.0
0°-30°	5706.4	46.8
0°-40°	8343.9	68.5
0°-60°	10509.1	86.2
0°-90°	11623.2	95.4
90°-120°	446.7	3.7
90°-150°	536.2	4.4
90°-180°	562.0	4.6
0°-180°	12185.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7620	
5°	7592	721
15°	7291	2048
25°	6433	2938
35°	4275	2637
45°	1536	1286
55°	946	879
65°	800	761
75°	213	240
85°	95	84
90°	114	64
95°	163	141
105°	174	181
115°	88	90
125°	42	39
135°	36	28
145°	35	22
155°	33	16
165°	29	8
175°	21	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7620.0
2.5°	7600.6
5°	7592.5
7.5°	7547.9
10°	7474.9
12.5°	7397.1
15°	7290.8
17.5°	7126.2
20°	6917.9
22.5°	6687.6
25°	6433.0
27.5°	6131.4
30°	5634.4
32.5°	4998.7
35°	4274.6
37.5°	3529.5
40°	2796.5
42.5°	2148.7
45°	1536.5
47.5°	1169.2
50°	987.6
52.5°	955.1
55°	946.2
57.5°	994.9
60°	1051.6
62.5°	998.1
65°	799.5
67.5°	566.8
70°	391.6
72.5°	283.8
75°	213.2
77.5°	158.1
80°	121.6
82.5°	101.4
85°	94.9
87.5°	99.7
90°	113.5
92.5°	137.0
95°	163.0
97.5°	187.3
100°	198.6
102.5°	192.2
105°	174.3
107.5°	153.2
110°	131.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.6
115°	87.6
117.5°	70.5
120°	56.8
122.5°	47.8
125°	42.2
127.5°	38.1
130°	36.5
132.5°	35.7
135°	36.5
137.5°	36.5
140°	35.7
142.5°	35.7
145°	34.9
147.5°	34.9
150°	34.1
152.5°	34.1
155°	33.2
157.5°	33.2
160°	32.4
162.5°	31.6
165°	29.2
167.5°	26.8
170°	24.3
172.5°	22.7
175°	21.1
177.5°	21.1
180°	20.3

(END OF REPORT)