

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: P1504454

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504454
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-43)
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 (3500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

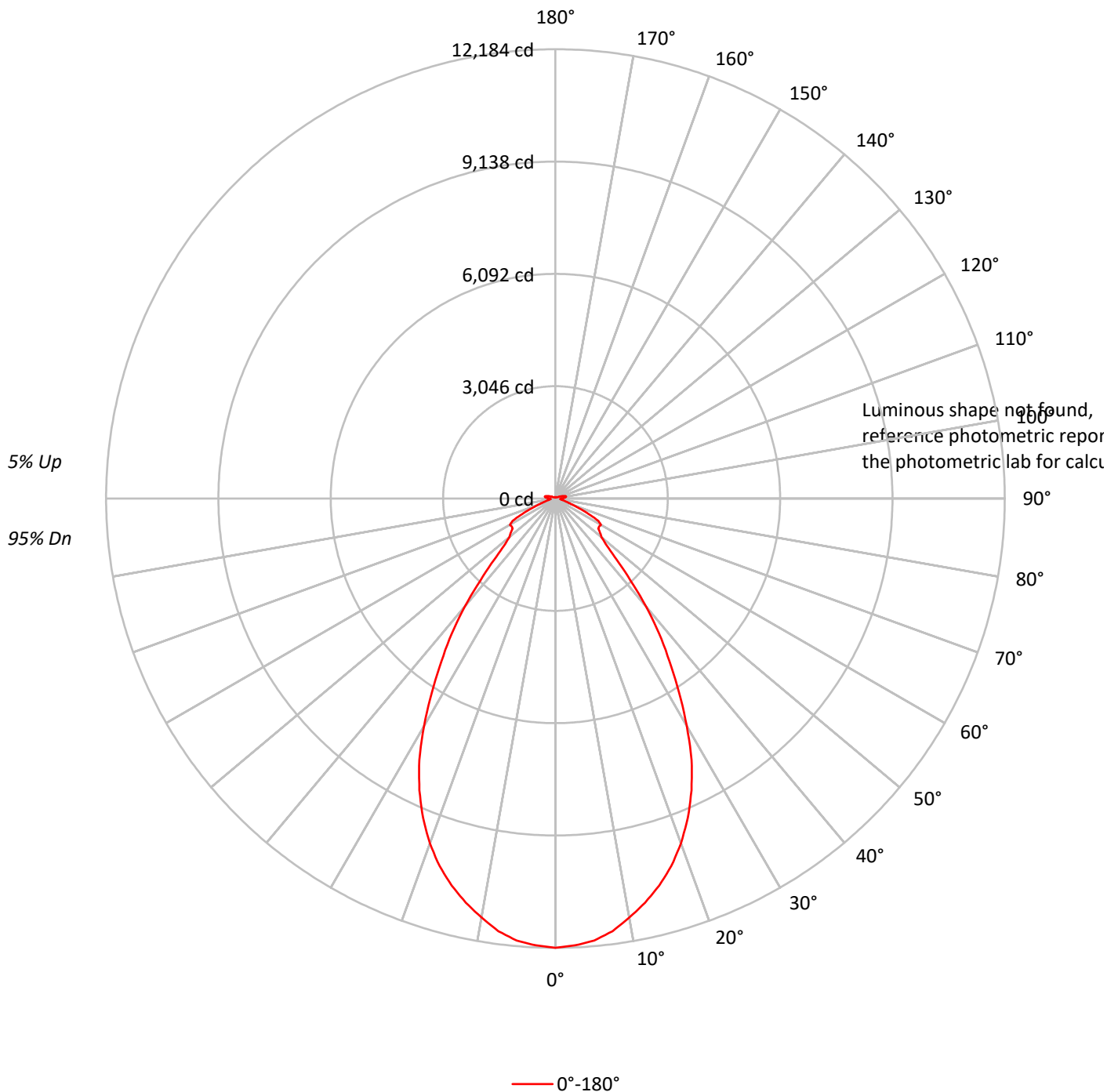
Lumens per Lamp: N/A
Luminaire Lumens: 16993.9 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.7
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



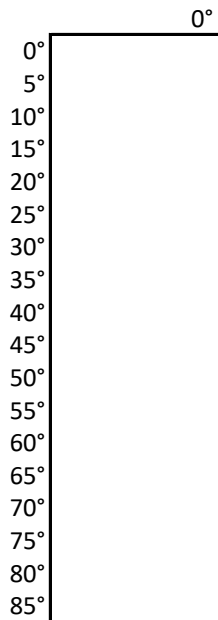
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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		108	108	108		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	87	100	94	89	85		90	86	83		86	83	80		83	80	78
3	96	88	81	76	93	86	80	75		82	77	73		79	75	71		76	73	70
4	89	80	73	68	87	78	72	67		75	70	66		73	68	64		70	66	63
5	84	73	66	61	81	72	65	60		69	64	59		67	62	58		65	61	57
6	78	68	60	55	76	66	60	54		64	58	54		62	57	53		60	56	52
7	74	62	55	50	72	62	55	50		60	54	49		58	53	49		56	52	48
8	69	58	51	46	68	57	50	46		56	50	45		54	49	45		53	48	44
9	66	54	47	42	64	53	47	42		52	46	42		51	45	41		49	45	41
10	62	51	44	39	61	50	44	39		49	43	39		48	42	38		47	42	38

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1132.8	6.7
10°-20°	3044.3	17.9
20°-30°	3969.0	23.4
30°-40°	3371.1	19.8
40°-50°	1903.4	11.2
50°-60°	1316.3	7.7
60°-70°	974.5	5.7
70°-80°	308.8	1.8
80°-90°	161.5	1.0
90°-100°	264.1	1.6
100°-110°	266.5	1.6
110°-120°	127.1	0.7
120°-130°	53.6	0.3
130°-140°	37.1	0.2
140°-150°	29.1	0.2
150°-160°	20.7	0.1
160°-170°	11.1	0.1
170°-180°	3.0	0.0
0°-30°	8146.1	47.9
0°-40°	11517.2	67.8
0°-60°	14736.9	86.7
0°-90°	16181.7	95.2
90°-120°	657.7	3.9
90°-150°	777.5	4.6
90°-180°	812.0	4.8
0°-180°	16993.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12184	
5°	12032	###
15°	10866	3044
25°	8726	3969
35°	5390	3371
45°	2342	1903
55°	1419	1316
65°	997	975
75°	277	309
85°	136	118
90°	172	96
95°	247	212
105°	256	267
115°	124	127
125°	57	54
135°	48	37
145°	47	29
155°	44	21
165°	38	11
175°	29	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12183.5
2.5°	12128.7
5°	12032.0
7.5°	11835.1
10°	11536.8
12.5°	11222.2
15°	10865.7
17.5°	10447.3
20°	9948.6
22.5°	9376.5
25°	8726.3
27.5°	7991.1
30°	7119.5
32.5°	6236.2
35°	5390.3
37.5°	4618.9
40°	3830.1
42.5°	3006.3
45°	2342.1
47.5°	1876.0
50°	1626.6
52.5°	1526.4
55°	1419.2
57.5°	1404.1
60°	1428.6
62.5°	1300.4
65°	997.4
67.5°	698.0
70°	487.1
72.5°	361.2
75°	277.3
77.5°	208.6
80°	163.1
82.5°	139.8
85°	136.3
87.5°	148.0
90°	172.5
92.5°	207.4
95°	247.0
97.5°	280.8
100°	294.8
102.5°	284.3
105°	256.3
107.5°	223.7
110°	188.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	153.8
115°	123.5
117.5°	97.9
120°	79.2
122.5°	65.3
125°	57.1
127.5°	51.3
130°	48.9
132.5°	47.8
135°	47.8
137.5°	47.8
140°	47.8
142.5°	46.6
145°	46.6
147.5°	45.4
150°	45.4
152.5°	45.4
155°	44.3
157.5°	44.3
160°	43.1
162.5°	41.9
165°	38.5
167.5°	36.1
170°	33.8
172.5°	31.5
175°	29.1
177.5°	29.1
180°	29.1

(END OF REPORT)