

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: P1504480

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504480
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_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

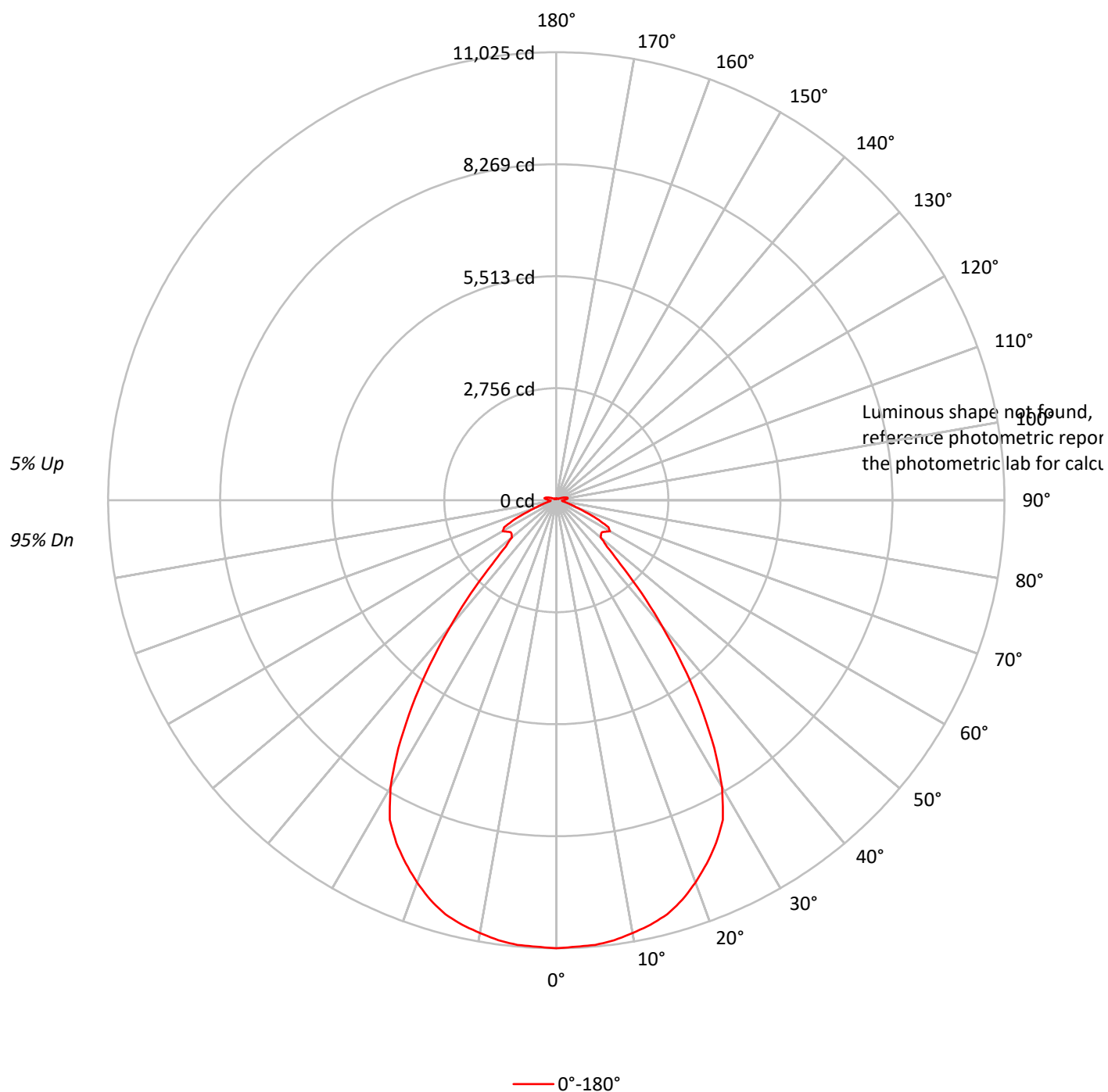
Lumens per Lamp: N/A
Luminaire Lumens: 17629.9 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 123.3
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°	1043.0	5.9
10°-20°	2963.0	16.8
20°-30°	4250.1	24.1
30°-40°	3816.0	21.6
40°-50°	1861.1	10.6
50°-60°	1271.6	7.2
60°-70°	1101.2	6.2
70°-80°	347.4	2.0
80°-90°	163.2	0.9
90°-100°	253.7	1.4
100°-110°	262.4	1.5
110°-120°	130.2	0.7
120°-130°	56.9	0.3
130°-140°	40.5	0.2
140°-150°	31.9	0.2
150°-160°	22.4	0.1
160°-170°	12.1	0.1
170°-180°	3.1	0.0
0°-30°	8256.1	46.8
0°-40°	12072.1	68.5
0°-60°	15204.8	86.2
0°-90°	16816.6	95.4
90°-120°	646.4	3.7
90°-150°	775.7	4.4
90°-180°	813.0	4.6
0°-180°	17629.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11025	
5°	10985	###
15°	10549	2963
25°	9307	4250
35°	6185	3816
45°	2223	1861
55°	1369	1272
65°	1157	1101
75°	308	347
85°	137	121
90°	164	92
95°	236	204
105°	252	262
115°	127	130
125°	61	57
135°	53	41
145°	50	32
155°	48	22
165°	42	12
175°	30	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11024.9
2.5°	10996.7
5°	10985.0
7.5°	10920.4
10°	10814.9
12.5°	10702.2
15°	10548.6
17.5°	10310.4
20°	10008.9
22.5°	9675.8
25°	9307.4
27.5°	8871.0
30°	8151.9
32.5°	7232.2
35°	6184.6
37.5°	5106.5
40°	4046.0
42.5°	3108.7
45°	2223.0
47.5°	1691.6
50°	1428.8
52.5°	1381.9
55°	1369.0
57.5°	1439.4
60°	1521.5
62.5°	1444.1
65°	1156.7
67.5°	820.0
70°	566.6
72.5°	410.6
75°	308.5
77.5°	228.8
80°	176.0
82.5°	146.6
85°	137.3
87.5°	144.3
90°	164.2
92.5°	198.3
95°	235.8
97.5°	271.0
100°	287.4
102.5°	278.0
105°	252.2
107.5°	221.7
110°	190.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	157.2
115°	126.7
117.5°	102.1
120°	82.1
122.5°	69.2
125°	61.0
127.5°	55.1
130°	52.8
132.5°	51.6
135°	52.8
137.5°	52.8
140°	51.6
142.5°	51.6
145°	50.4
147.5°	50.4
150°	49.3
152.5°	49.3
155°	48.1
157.5°	48.1
160°	46.9
162.5°	45.8
165°	42.2
167.5°	38.7
170°	35.2
172.5°	32.8
175°	30.5
177.5°	30.5
180°	29.3

(END OF REPORT)