

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: P1504835

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504835
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-55)
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-B-06-CLER-PS (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

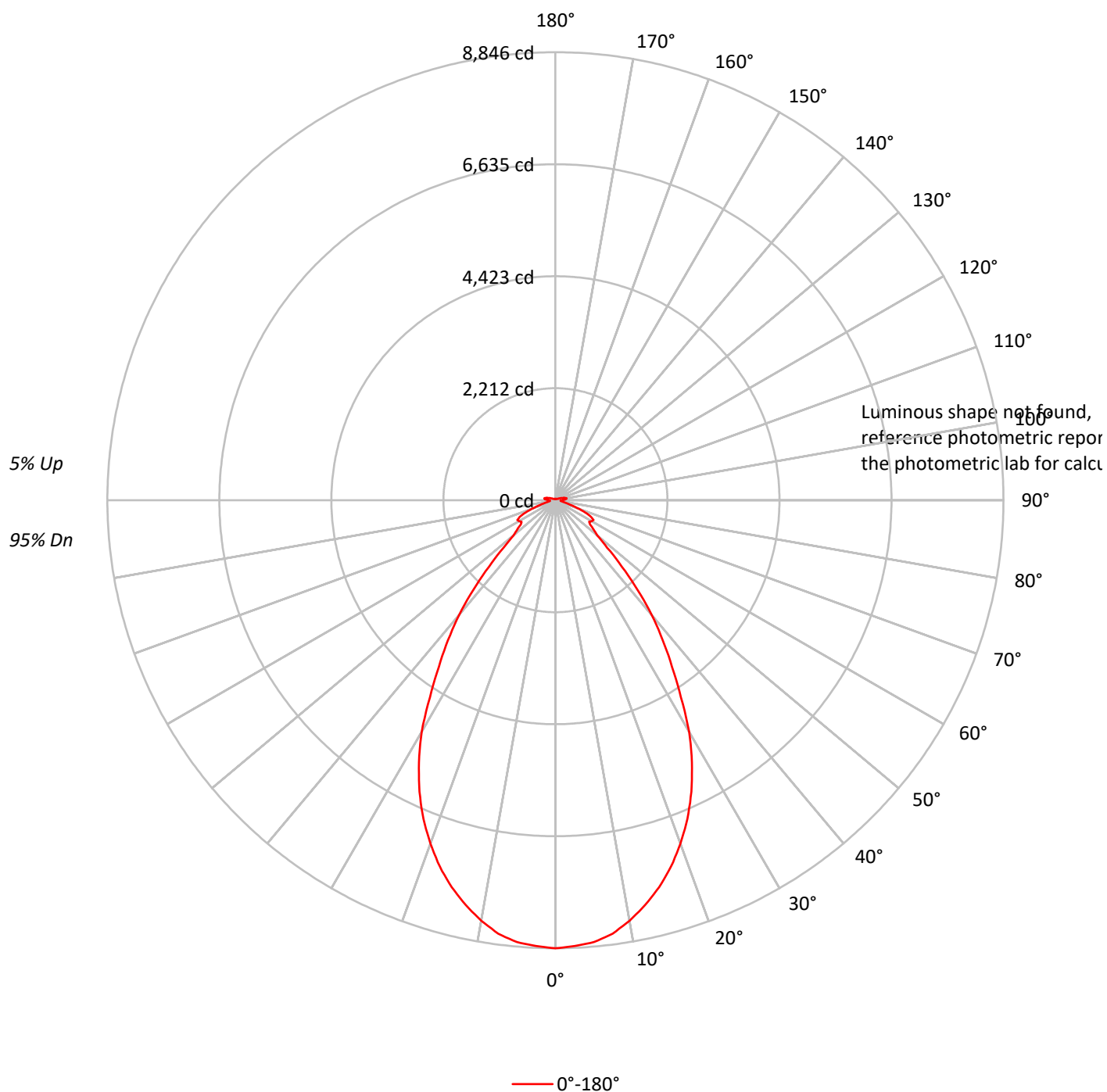
Lumens per Lamp: N/A
Luminaire Lumens: 12425.1 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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



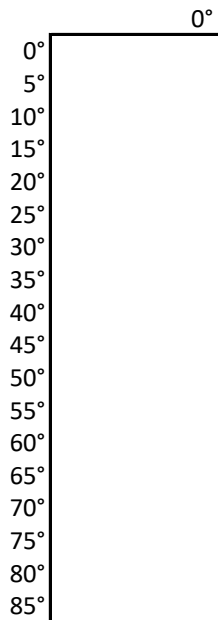
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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		108	108	108		103	103	103		98	98	98
1	110	107	103	100	107	104	101	98		99	96	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	87	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	65		73	68	64		70	66	63
5	84	73	66	61	82	72	65	60		70	64	59		67	62	58		65	61	57
6	78	68	60	55	76	66	60	55		64	58	54		62	57	53		60	56	52
7	74	63	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	39		47	42	38

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	825.5	6.6
10°-20°	2215.5	17.8
20°-30°	2895.1	23.3
30°-40°	2519.6	20.3
40°-50°	1463.6	11.8
50°-60°	788.8	6.3
60°-70°	724.0	5.8
70°-80°	271.9	2.2
80°-90°	123.3	1.0
90°-100°	204.6	1.6
100°-110°	190.4	1.5
110°-120°	87.2	0.7
120°-130°	38.2	0.3
130°-140°	28.4	0.2
140°-150°	22.3	0.2
150°-160°	15.4	0.1
160°-170°	9.0	0.1
170°-180°	2.5	0.0
0°-30°	5936.1	47.8
0°-40°	8455.7	68.1
0°-60°	10708.1	86.2
0°-90°	11827.2	95.2
90°-120°	482.2	3.9
90°-150°	571.1	4.6
90°-180°	598.0	4.8
0°-180°	12425.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8846	
5°	8757	826
15°	7910	2215
25°	6351	2895
35°	4012	2520
45°	1857	1464
55°	833	789
65°	779	724
75°	230	272
85°	104	90
90°	132	74
95°	194	164
105°	181	190
115°	85	87
125°	41	38
135°	36	28
145°	36	22
155°	33	15
165°	32	9
175°	25	2
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8846.5
2.5°	8809.3
5°	8756.7
7.5°	8633.9
10°	8428.9
12.5°	8187.4
15°	7910.4
17.5°	7587.6
20°	7216.5
22.5°	6810.7
25°	6350.7
27.5°	5835.6
30°	5281.5
32.5°	4612.2
35°	4011.5
37.5°	3480.3
40°	2955.9
42.5°	2403.5
45°	1857.1
47.5°	1386.9
50°	1080.2
52.5°	951.4
55°	832.8
57.5°	790.4
60°	826.0
62.5°	848.1
65°	779.4
67.5°	644.7
70°	482.9
72.5°	335.5
75°	230.4
77.5°	163.5
80°	124.5
82.5°	106.7
85°	104.2
87.5°	112.7
90°	132.2
92.5°	161.8
95°	194.0
97.5°	217.7
100°	222.0
102.5°	207.6
105°	181.3
107.5°	154.2
110°	128.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	105.1
115°	84.7
117.5°	67.8
120°	55.1
122.5°	45.7
125°	40.7
127.5°	37.3
130°	36.4
132.5°	36.4
135°	36.4
137.5°	37.3
140°	37.3
142.5°	36.4
145°	35.6
147.5°	33.9
150°	33.9
152.5°	33.0
155°	33.0
157.5°	33.0
160°	33.9
162.5°	33.0
165°	32.2
167.5°	29.7
170°	27.1
172.5°	25.4
175°	25.4
177.5°	26.3
180°	26.3

(END OF REPORT)