

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: P1504341

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (6500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504341
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-5)
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-04-TRWH-PS (6500K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

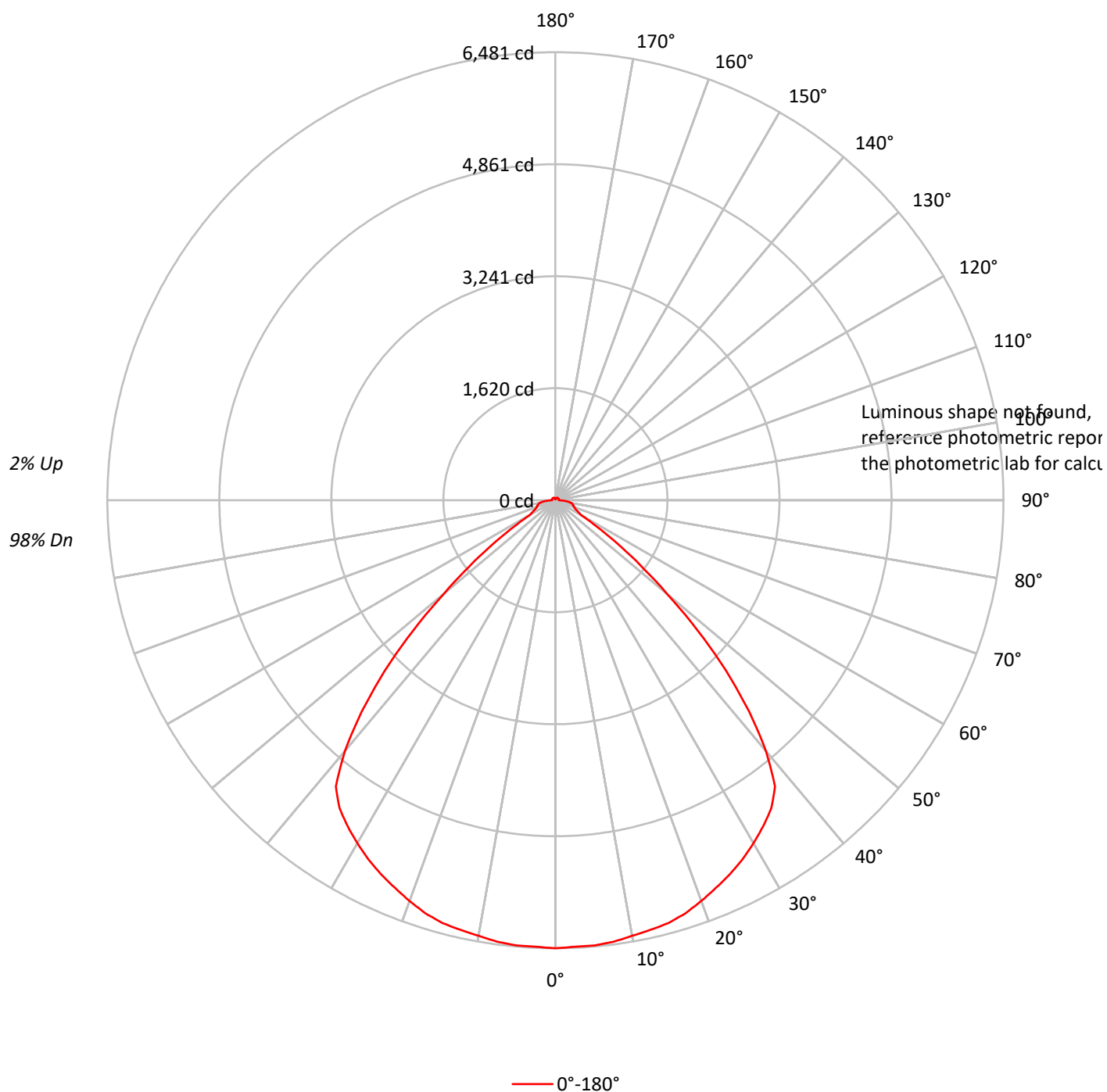
Lumens per Lamp: N/A
Luminaire Lumens: 13261.2 lumens
Efficiency: N/A
Efficacy: 159.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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



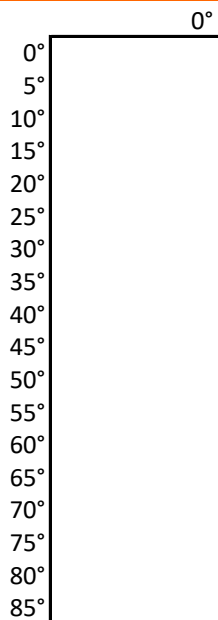
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		110	110	110		105	105	105		100	100	100
1	111	107	104	101	108	104	101	99		100	97	95		96	94	92		92	90	89
2	103	96	91	86	100	94	89	85		91	87	83		87	84	81		84	81	79
3	96	87	81	75	93	85	79	74		82	77	73		79	75	71		77	73	70
4	89	79	72	66	87	78	71	66		75	69	65		73	68	64		70	66	63
5	83	72	64	59	81	71	64	58		68	62	58		66	61	57		64	60	56
6	77	66	58	52	75	65	57	52		63	56	52		61	55	51		59	54	50
7	72	60	53	47	70	59	52	47		58	51	46		56	50	46		55	50	46
8	67	55	48	43	66	55	47	42		53	47	42		52	46	42		51	45	41
9	63	51	44	39	62	50	43	39		49	43	38		48	42	38		47	42	38
10	59	47	40	35	58	47	40	35		46	39	35		45	39	35		44	38	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.9	4.6
10°-20°	1785.5	13.5
20°-30°	2753.3	20.8
30°-40°	3363.2	25.4
40°-50°	2653.8	20.0
50°-60°	1021.6	7.7
60°-70°	339.0	2.6
70°-80°	276.2	2.1
80°-90°	163.6	1.2
90°-100°	55.2	0.4
100°-110°	54.2	0.4
110°-120°	49.6	0.4
120°-130°	42.8	0.3
130°-140°	34.9	0.3
140°-150°	26.9	0.2
150°-160°	17.1	0.1
160°-170°	7.5	0.1
170°-180°	1.8	0.0
0°-30°	5153.7	38.9
0°-40°	8516.9	64.2
0°-60°	12192.4	91.9
0°-90°	12971.2	97.8
90°-120°	159.0	1.2
90°-150°	263.6	2.0
90°-180°	290.0	2.2
0°-180°	13261.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6481	
5°	6465	615
15°	6330	1786
25°	5969	2753
35°	5442	3363
45°	3492	2654
55°	1094	1022
65°	335	339
75°	264	276
85°	158	142
90°	51	35
95°	51	41
105°	52	54
115°	50	50
125°	47	43
135°	45	35
145°	42	27
155°	36	17
165°	25	8
175°	17	2
180°	16	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6481.1
2.5°	6465.0
5°	6465.0
7.5°	6440.5
10°	6398.1
12.5°	6365.1
15°	6329.5
17.5°	6262.6
20°	6168.5
22.5°	6068.5
25°	5968.6
27.5°	5858.4
30°	5728.8
32.5°	5592.4
35°	5442.5
37.5°	5216.3
40°	4737.6
42.5°	4146.2
45°	3492.2
47.5°	2790.7
50°	2108.7
52.5°	1556.3
55°	1093.7
57.5°	699.8
60°	431.2
62.5°	373.6
65°	334.6
67.5°	302.5
70°	287.2
72.5°	273.6
75°	263.5
77.5°	249.9
80°	228.7
82.5°	199.1
85°	157.6
87.5°	104.2
90°	50.8
92.5°	50.0
95°	50.8
97.5°	50.8
100°	50.8
102.5°	51.7
105°	51.7
107.5°	50.8
110°	50.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.8
115°	50.0
117.5°	49.1
120°	49.1
122.5°	48.3
125°	47.4
127.5°	47.4
130°	46.6
132.5°	45.7
135°	44.9
137.5°	44.1
140°	44.1
142.5°	43.2
145°	42.4
147.5°	42.4
150°	41.5
152.5°	39.8
155°	36.4
157.5°	33.9
160°	31.3
162.5°	28.8
165°	25.4
167.5°	23.7
170°	21.2
172.5°	19.5
175°	16.9
177.5°	16.1
180°	16.1

(END OF REPORT)