

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: P1504323

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504323
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

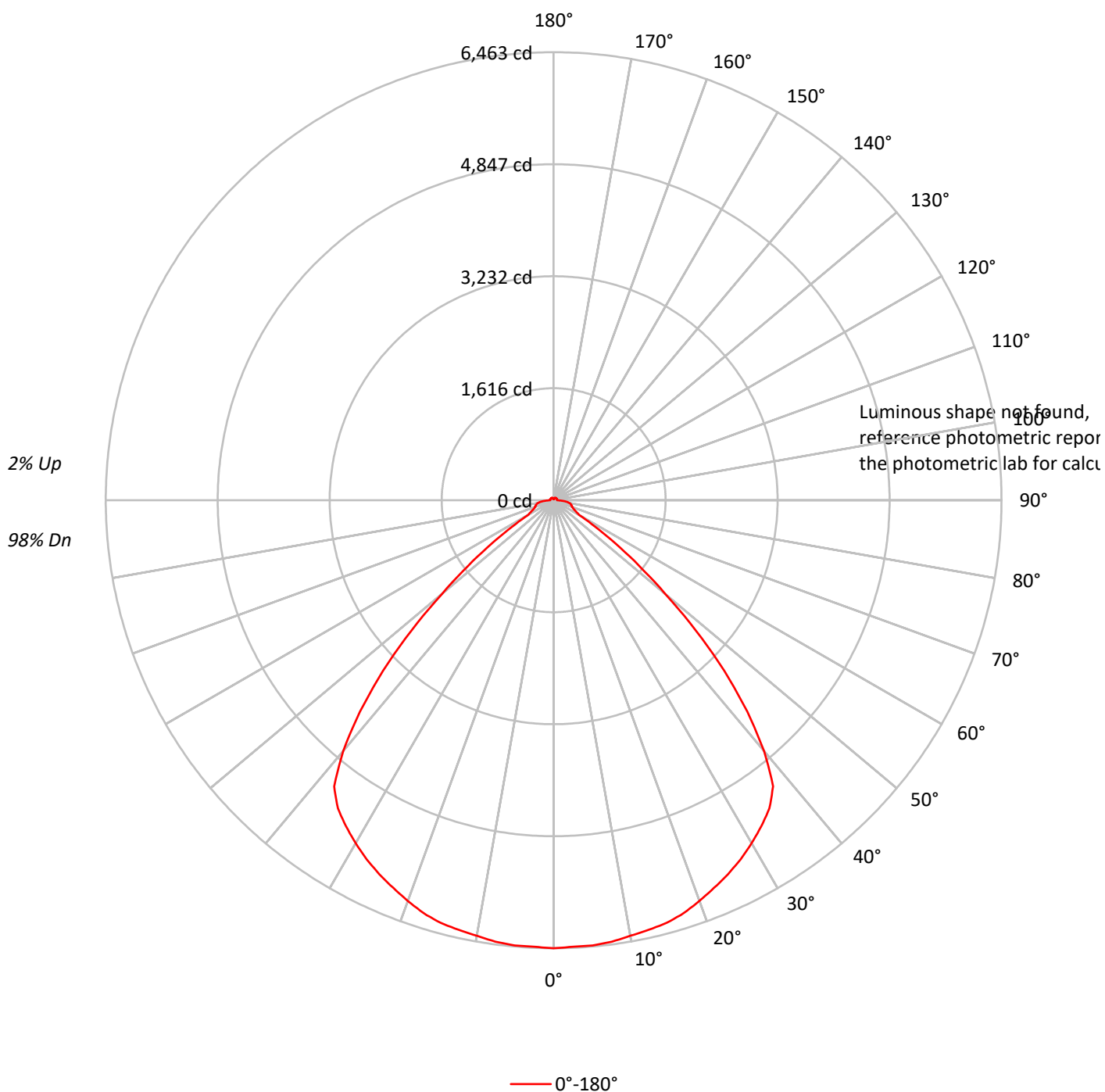
Lumens per Lamp: N/A
Luminaire Lumens: 13224.1 lumens
Efficiency: N/A
Efficacy: 163.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 80.7
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	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°	613.2	4.6
10°-20°	1780.5	13.5
20°-30°	2745.6	20.8
30°-40°	3353.7	25.4
40°-50°	2646.4	20.0
50°-60°	1018.8	7.7
60°-70°	338.1	2.6
70°-80°	275.4	2.1
80°-90°	163.1	1.2
90°-100°	55.1	0.4
100°-110°	54.1	0.4
110°-120°	49.5	0.4
120°-130°	42.8	0.3
130°-140°	34.8	0.3
140°-150°	26.7	0.2
150°-160°	17.1	0.1
160°-170°	7.5	0.1
170°-180°	1.8	0.0
0°-30°	5139.3	38.9
0°-40°	8493.0	64.2
0°-60°	12158.2	91.9
0°-90°	12934.8	97.8
90°-120°	158.6	1.2
90°-150°	262.9	2.0
90°-180°	289.0	2.2
0°-180°	13224.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6463	
5°	6447	613
15°	6312	1781
25°	5952	2746
35°	5427	3354
45°	3482	2646
55°	1091	1019
65°	334	338
75°	263	275
85°	157	142
90°	51	35
95°	51	41
105°	52	54
115°	50	49
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°	6463.0
2.5°	6446.9
5°	6446.9
7.5°	6422.4
10°	6380.2
12.5°	6347.2
15°	6311.7
17.5°	6245.0
20°	6151.2
22.5°	6051.5
25°	5951.8
27.5°	5842.0
30°	5712.8
32.5°	5576.7
35°	5427.2
37.5°	5201.6
40°	4724.3
42.5°	4134.6
45°	3482.4
47.5°	2782.9
50°	2102.8
52.5°	1552.0
55°	1090.7
57.5°	697.8
60°	430.0
62.5°	372.6
65°	333.7
67.5°	301.6
70°	286.4
72.5°	272.9
75°	262.7
77.5°	249.2
80°	228.1
82.5°	198.5
85°	157.1
87.5°	103.9
90°	50.7
92.5°	49.8
95°	50.7
97.5°	50.7
100°	50.7
102.5°	51.5
105°	51.5
107.5°	50.7
110°	50.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.7
115°	49.8
117.5°	49.0
120°	49.0
122.5°	48.2
125°	47.3
127.5°	47.3
130°	46.5
132.5°	45.6
135°	44.8
137.5°	43.9
140°	43.9
142.5°	43.1
145°	42.2
147.5°	42.2
150°	41.4
152.5°	39.7
155°	36.3
157.5°	33.8
160°	31.3
162.5°	28.7
165°	25.3
167.5°	23.7
170°	21.1
172.5°	19.4
175°	16.9
177.5°	16.1
180°	16.1

(END OF REPORT)