

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: P1504692

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504692
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-39)
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-04-TRWH-PS (5000K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

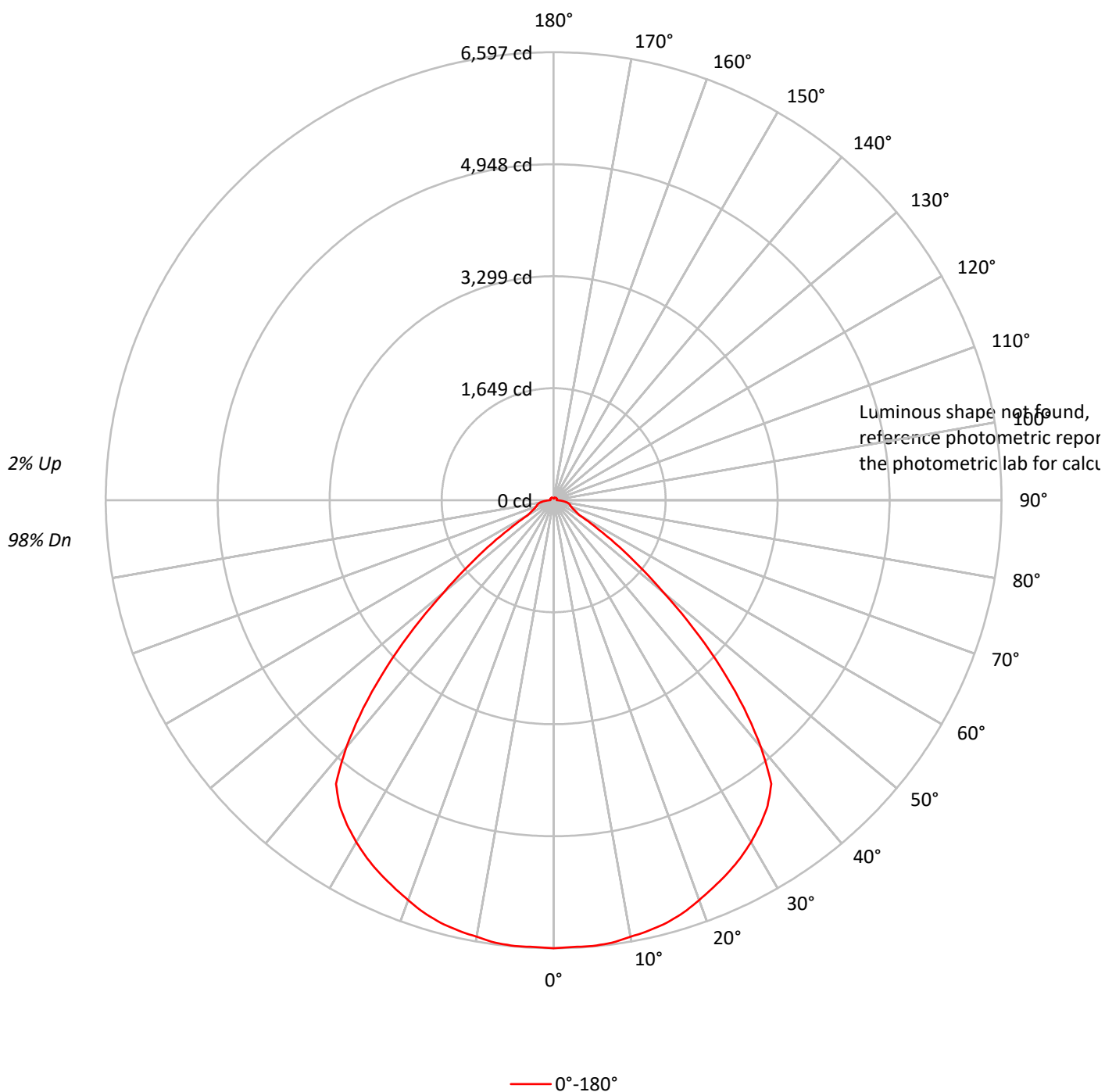
Lumens per Lamp: N/A
Luminaire Lumens: 13356.1 lumens
Efficiency: N/A
Efficacy: 164.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.1
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	105	102	99		100	98	95		96	94	92		92	91	89
2	103	97	91	87	100	95	90	86		91	87	83		87	84	81		84	81	79
3	96	87	81	76	93	86	80	75		83	77	73		80	75	72		77	73	70
4	89	79	72	66	87	78	71	66		75	69	65		73	68	64		71	66	63
5	83	72	65	59	81	71	64	59		69	63	58		67	61	57		65	60	56
6	77	66	58	53	75	65	58	52		63	57	52		61	56	51		60	55	51
7	72	60	53	47	70	60	52	47		58	51	47		56	51	46		55	50	46
8	68	56	48	43	66	55	48	43		53	47	42		52	46	42		51	46	42
9	63	51	44	39	62	51	44	39		49	43	39		48	42	38		47	42	38
10	60	48	40	36	58	47	40	36		46	40	35		45	39	35		44	39	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°	627.0	4.7
10°-20°	1817.3	13.6
20°-30°	2795.9	20.9
30°-40°	3397.5	25.4
40°-50°	2655.4	19.9
50°-60°	1029.6	7.7
60°-70°	335.5	2.5
70°-80°	258.2	1.9
80°-90°	143.8	1.1
90°-100°	53.1	0.4
100°-110°	53.0	0.4
110°-120°	49.7	0.4
120°-130°	44.0	0.3
130°-140°	36.5	0.3
140°-150°	28.4	0.2
150°-160°	18.9	0.1
160°-170°	9.5	0.1
170°-180°	2.6	0.0
0°-30°	5240.3	39.2
0°-40°	8637.8	64.7
0°-60°	12322.8	92.3
0°-90°	13060.3	97.8
90°-120°	155.8	1.2
90°-150°	264.7	2.0
90°-180°	296.0	2.2
0°-180°	13356.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6597	
5°	6589	627
15°	6442	1817
25°	6062	2796
35°	5494	3398
45°	3488	2655
55°	1103	1030
65°	330	336
75°	247	258
85°	135	125
90°	48	32
95°	48	40
105°	50	53
115°	50	50
125°	49	44
135°	47	37
145°	45	28
155°	41	19
165°	33	10
175°	26	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6597.2
2.5°	6583.6
5°	6588.7
7.5°	6572.5
10°	6527.3
12.5°	6490.7
15°	6442.2
17.5°	6366.4
20°	6266.7
22.5°	6164.5
25°	6061.5
27.5°	5948.2
30°	5812.8
32.5°	5662.9
35°	5494.2
37.5°	5266.0
40°	4755.8
42.5°	4150.3
45°	3487.7
47.5°	2787.6
50°	2114.7
52.5°	1565.4
55°	1102.9
57.5°	709.5
60°	440.3
62.5°	376.4
65°	329.6
67.5°	293.0
70°	274.2
72.5°	258.9
75°	247.0
77.5°	230.8
80°	207.0
82.5°	175.4
85°	135.4
87.5°	89.4
90°	48.5
92.5°	47.7
95°	48.5
97.5°	49.4
100°	49.4
102.5°	50.2
105°	50.2
107.5°	50.2
110°	50.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.2
115°	50.2
117.5°	50.2
120°	49.4
122.5°	49.4
125°	49.4
127.5°	48.5
130°	48.5
132.5°	47.7
135°	46.8
137.5°	46.8
140°	46.0
142.5°	46.0
145°	45.1
147.5°	44.3
150°	44.3
152.5°	42.6
155°	40.9
157.5°	38.3
160°	37.5
162.5°	34.9
165°	33.2
167.5°	31.5
170°	29.0
172.5°	27.3
175°	26.4
177.5°	26.4
180°	26.4

(END OF REPORT)