

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: P1504695

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504695
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_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

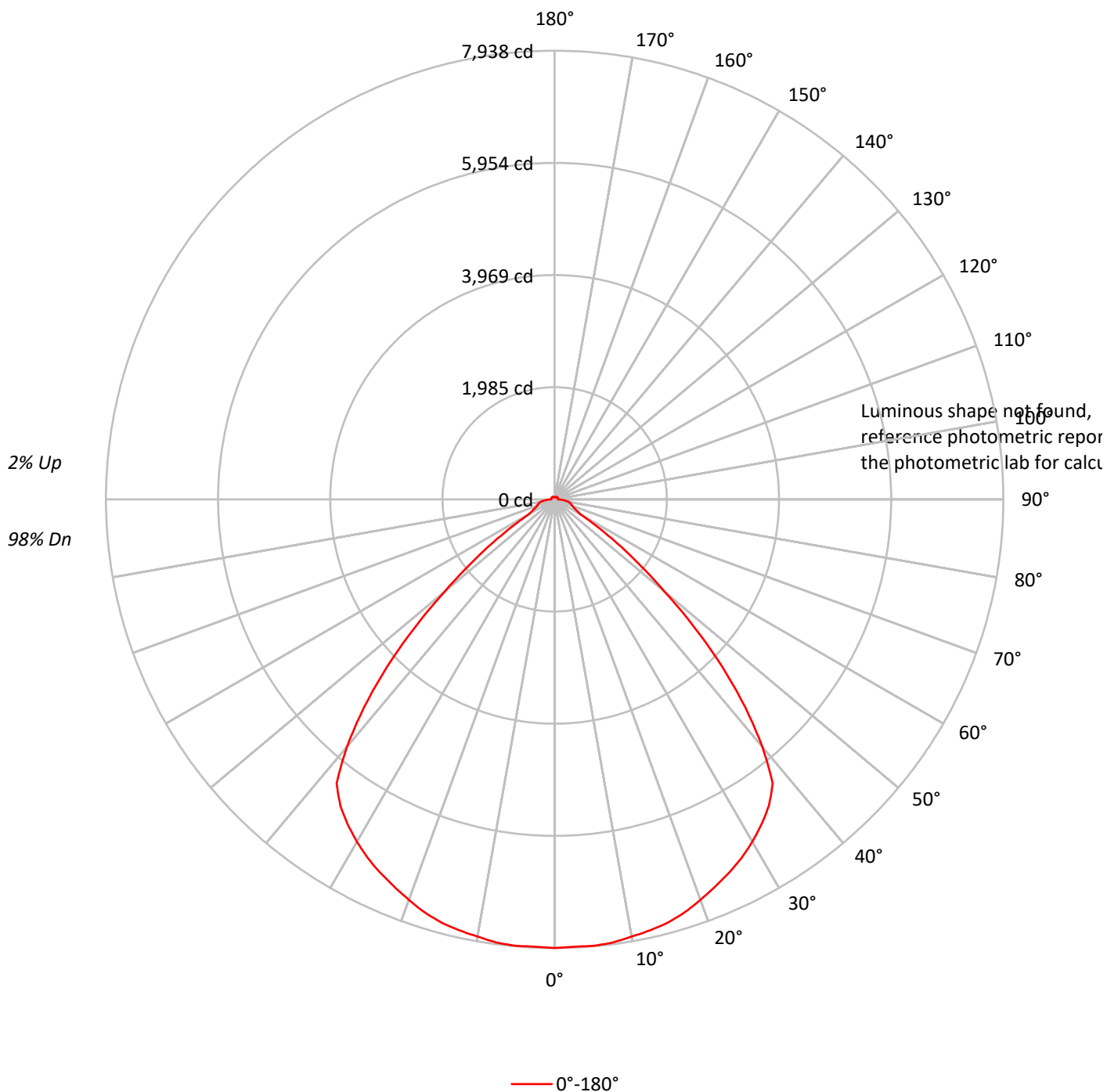
Lumens per Lamp: N/A
Luminaire Lumens: 16070.4 lumens
Efficiency: N/A
Efficacy: 160.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 100.1
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	91	89			87
2	103	97	91	87	100	95	90	86	91	87	83	87	84	81	84	81	79			77
3	96	87	81	76	93	86	80	75	83	77	73	80	75	72	77	73	70			68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63			61
5	83	72	65	59	81	71	64	59	69	63	58	67	61	57	65	60	56			54
6	77	66	58	53	75	65	58	52	63	57	52	61	56	51	60	55	51			49
7	72	60	53	47	70	60	52	47	58	51	47	56	51	46	55	50	46			44
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	46	42			40
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38			36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35			33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.5	4.7
10°-20°	2186.6	13.6
20°-30°	3364.1	20.9
30°-40°	4087.9	25.4
40°-50°	3195.0	19.9
50°-60°	1238.9	7.7
60°-70°	403.7	2.5
70°-80°	310.7	1.9
80°-90°	173.0	1.1
90°-100°	63.9	0.4
100°-110°	63.9	0.4
110°-120°	59.9	0.4
120°-130°	53.0	0.3
130°-140°	44.0	0.3
140°-150°	34.1	0.2
150°-160°	22.8	0.1
160°-170°	11.5	0.1
170°-180°	3.1	0.0
0°-30°	6305.1	39.2
0°-40°	10393.1	64.7
0°-60°	14826.9	92.3
0°-90°	15714.3	97.8
90°-120°	187.6	1.2
90°-150°	318.7	2.0
90°-180°	356.0	2.2
0°-180°	16070.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7938	
5°	7928	754
15°	7751	2187
25°	7293	3364
35°	6611	4088
45°	4196	3195
55°	1327	1239
65°	397	404
75°	297	311
85°	163	150
90°	58	39
95°	58	48
105°	60	64
115°	60	60
125°	59	53
135°	56	44
145°	54	34
155°	49	23
165°	40	11
175°	32	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7937.8
2.5°	7921.4
5°	7927.6
7.5°	7908.1
10°	7853.8
12.5°	7809.7
15°	7751.3
17.5°	7660.1
20°	7540.2
22.5°	7417.2
25°	7293.2
27.5°	7156.9
30°	6994.0
32.5°	6813.6
35°	6610.7
37.5°	6336.1
40°	5722.3
42.5°	4993.7
45°	4196.4
47.5°	3354.0
50°	2544.5
52.5°	1883.5
55°	1327.1
57.5°	853.6
60°	529.8
62.5°	452.9
65°	396.6
67.5°	352.5
70°	330.0
72.5°	311.5
75°	297.2
77.5°	277.7
80°	249.0
82.5°	211.1
85°	162.9
87.5°	107.6
90°	58.4
92.5°	57.4
95°	58.4
97.5°	59.4
100°	59.4
102.5°	60.5
105°	60.5
107.5°	60.5
110°	60.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	60.5
115°	60.5
117.5°	60.5
120°	59.4
122.5°	59.4
125°	59.4
127.5°	58.4
130°	58.4
132.5°	57.4
135°	56.4
137.5°	56.4
140°	55.3
142.5°	55.3
145°	54.3
147.5°	53.3
150°	53.3
152.5°	51.2
155°	49.2
157.5°	46.1
160°	45.1
162.5°	42.0
165°	40.0
167.5°	37.9
170°	34.8
172.5°	32.8
175°	31.8
177.5°	31.8
180°	31.8

(END OF REPORT)