

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: P1504839

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504839
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-57)
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_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

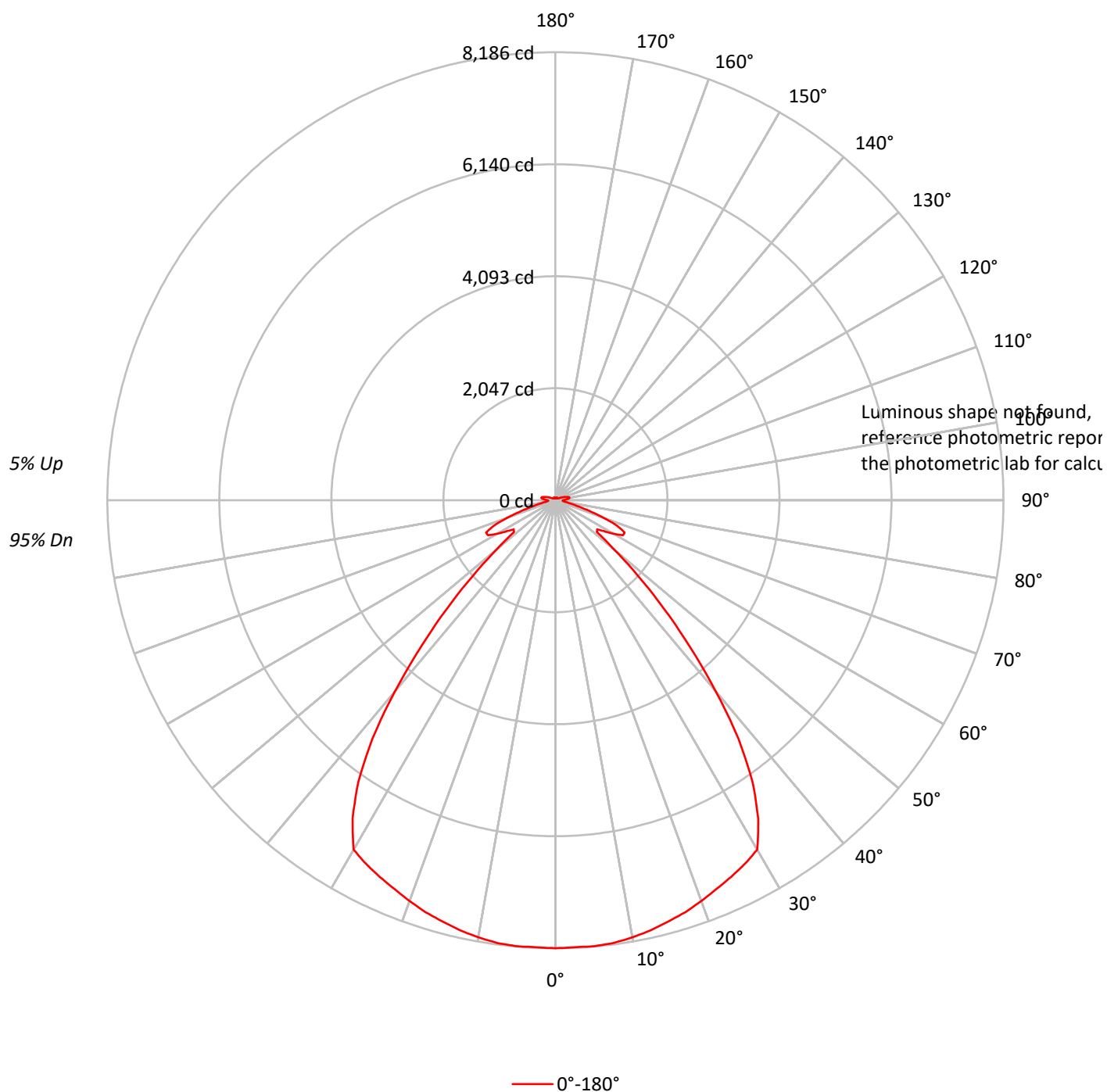
Lumens per Lamp: N/A
Luminaire Lumens: 16189.9 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.5
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	109	109	109	103	103	103	98	98	98
1	110	106	102	99	107	103	100	97	98	96	93	93	91	90	89	88	86
2	102	95	89	84	99	93	87	83	88	84	81	85	81	78	81	78	76
3	94	85	79	73	92	84	77	72	80	75	70	77	72	69	74	70	67
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60
5	82	71	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54
6	76	65	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37
10	59	47	40	35	58	47	40	35	45	39	35	44	38	34	43	38	34

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	778.5	4.8
10°-20°	2253.2	13.9
20°-30°	3507.2	21.7
30°-40°	3833.5	23.7
40°-50°	2186.4	13.5
50°-60°	950.2	5.9
60°-70°	1263.2	7.8
70°-80°	504.6	3.1
80°-90°	158.0	1.0
90°-100°	227.9	1.4
100°-110°	238.3	1.5
110°-120°	117.5	0.7
120°-130°	55.0	0.3
130°-140°	43.2	0.3
140°-150°	33.7	0.2
150°-160°	22.7	0.1
160°-170°	13.0	0.1
170°-180°	3.7	0.0
0°-30°	6538.9	40.4
0°-40°	10372.4	64.1
0°-60°	13509.0	83.4
0°-90°	15434.9	95.3
90°-120°	583.7	3.6
90°-150°	715.7	4.4
90°-180°	755.0	4.7
0°-180°	16189.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8186	
5°	8179	778
15°	7968	2253
25°	7593	3507
35°	6276	3834
45°	2811	2186
55°	928	950
65°	1397	1263
75°	424	505
85°	132	120
90°	144	81
95°	212	184
105°	230	238
115°	114	118
125°	59	55
135°	56	43
145°	54	34
155°	49	23
165°	46	13
175°	38	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8186.2
2.5°	8174.0
5°	8179.1
7.5°	8158.8
10°	8108.2
12.5°	8048.5
15°	7968.5
17.5°	7891.6
20°	7793.4
22.5°	7689.1
25°	7592.9
27.5°	7491.7
30°	7372.2
32.5°	6896.4
35°	6275.8
37.5°	5491.2
40°	4557.8
42.5°	3635.5
45°	2811.4
47.5°	2045.0
50°	1390.0
52.5°	954.7
55°	928.4
57.5°	1047.8
60°	1224.0
62.5°	1391.0
65°	1397.1
67.5°	1226.0
70°	943.5
72.5°	645.9
75°	424.2
77.5°	280.4
80°	193.4
82.5°	148.8
85°	131.6
87.5°	130.6
90°	143.8
92.5°	174.1
95°	211.6
97.5°	247.0
100°	263.2
102.5°	255.1
105°	229.8
107.5°	198.4
110°	169.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	140.7
115°	114.4
117.5°	93.1
120°	76.9
122.5°	65.8
125°	58.7
127.5°	54.7
130°	53.7
132.5°	54.7
135°	55.7
137.5°	57.7
140°	56.7
142.5°	55.7
145°	53.7
147.5°	51.6
150°	49.6
152.5°	49.6
155°	48.6
157.5°	48.6
160°	48.6
162.5°	47.6
165°	45.6
167.5°	43.5
170°	40.5
172.5°	38.5
175°	38.5
177.5°	39.5
180°	39.5

(END OF REPORT)