

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: P1504830

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504830
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 (5000K_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

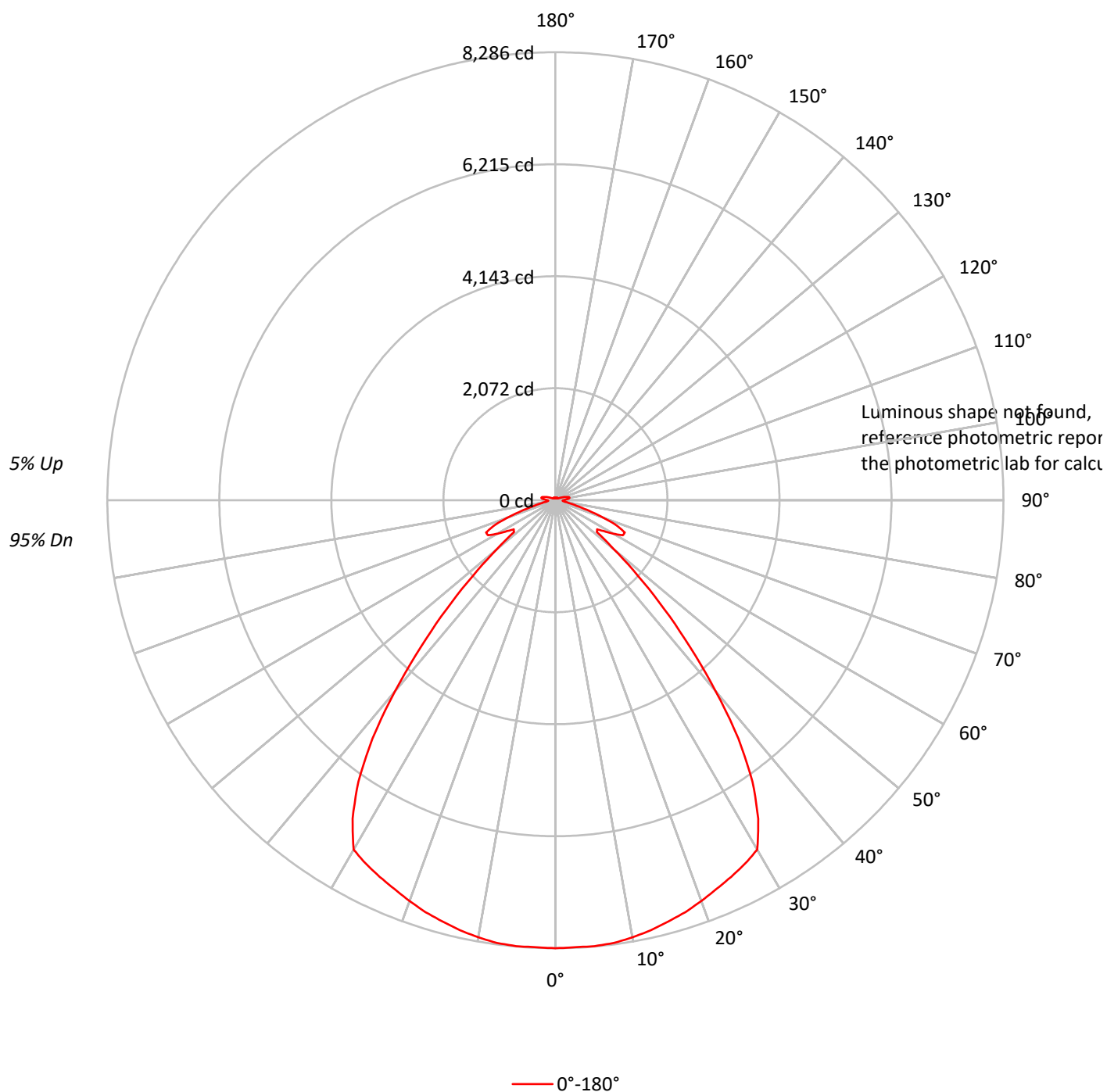
Lumens per Lamp: N/A
Luminaire Lumens: 16387.8 lumens
Efficiency: N/A
Efficacy: 163.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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				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°	788.0	4.8
10°-20°	2280.8	13.9
20°-30°	3550.0	21.7
30°-40°	3880.4	23.7
40°-50°	2213.1	13.5
50°-60°	961.8	5.9
60°-70°	1278.7	7.8
70°-80°	510.8	3.1
80°-90°	159.9	1.0
90°-100°	230.7	1.4
100°-110°	241.2	1.5
110°-120°	119.0	0.7
120°-130°	55.7	0.3
130°-140°	43.7	0.3
140°-150°	34.1	0.2
150°-160°	23.0	0.1
160°-170°	13.1	0.1
170°-180°	3.8	0.0
0°-30°	6618.8	40.4
0°-40°	10499.2	64.1
0°-60°	13674.1	83.4
0°-90°	15623.5	95.3
90°-120°	590.9	3.6
90°-150°	724.4	4.4
90°-180°	764.0	4.7
0°-180°	16387.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8286	
5°	8279	788
15°	8066	2281
25°	7686	3550
35°	6352	3880
45°	2846	2213
55°	940	962
65°	1414	1279
75°	429	511
85°	133	122
90°	146	82
95°	214	187
105°	233	241
115°	116	119
125°	59	56
135°	56	44
145°	54	34
155°	49	23
165°	46	13
175°	39	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8286.2
2.5°	8273.9
5°	8279.0
7.5°	8258.6
10°	8207.3
12.5°	8146.9
15°	8065.9
17.5°	7988.0
20°	7888.6
22.5°	7783.1
25°	7685.7
27.5°	7583.2
30°	7462.3
32.5°	6980.7
35°	6352.5
37.5°	5558.3
40°	4613.5
42.5°	3679.9
45°	2845.8
47.5°	2070.0
50°	1407.0
52.5°	966.4
55°	939.7
57.5°	1060.6
60°	1238.9
62.5°	1408.0
65°	1414.2
67.5°	1241.0
70°	955.1
72.5°	653.8
75°	429.4
77.5°	283.9
80°	195.7
82.5°	150.6
85°	133.2
87.5°	132.2
90°	145.5
92.5°	176.3
95°	214.2
97.5°	250.0
100°	266.4
102.5°	258.2
105°	232.6
107.5°	200.9
110°	171.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	142.4
115°	115.8
117.5°	94.3
120°	77.9
122.5°	66.6
125°	59.4
127.5°	55.3
130°	54.3
132.5°	55.3
135°	56.4
137.5°	58.4
140°	57.4
142.5°	56.4
145°	54.3
147.5°	52.3
150°	50.2
152.5°	50.2
155°	49.2
157.5°	49.2
160°	49.2
162.5°	48.2
165°	46.1
167.5°	44.1
170°	41.0
172.5°	38.9
175°	38.9
177.5°	40.0
180°	40.0

(END OF REPORT)