

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: P1504441

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504441
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-44)
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-06-CLER-PS (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

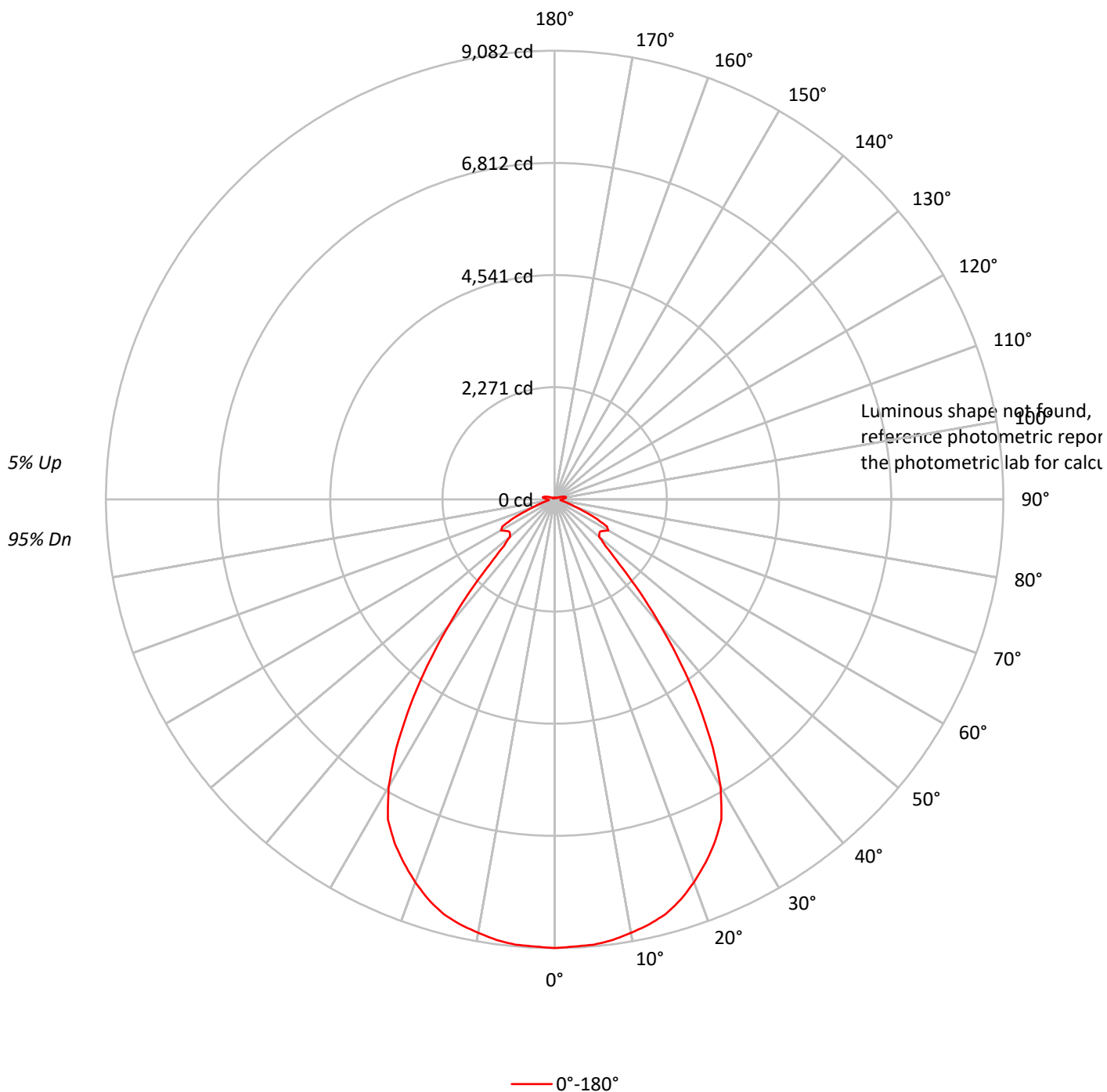
Lumens per Lamp: N/A
Luminaire Lumens: 14522.9 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.3
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



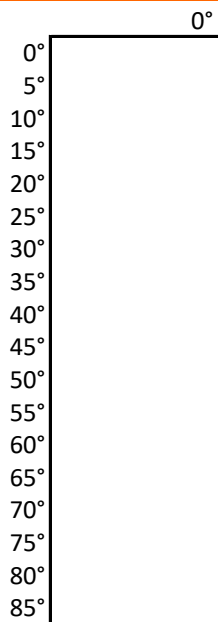
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	107	103	100	107	104	101	98		99	97	94		94	92	91		90	89	87
2	103	96	91	86	100	94	89	85		90	86	82		86	83	80		83	80	78
3	96	87	81	76	93	85	79	75		82	77	73		79	75	71		76	72	69
4	89	80	72	67	87	78	71	66		75	69	65		72	68	64		70	66	62
5	83	73	65	60	81	72	65	60		69	63	59		67	62	58		65	60	57
6	78	67	60	54	76	66	59	54		64	58	53		62	56	52		60	55	52
7	73	62	55	49	71	61	54	49		59	53	48		57	52	48		56	51	47
8	69	57	50	45	67	57	50	45		55	49	45		54	48	44		52	47	44
9	65	53	46	42	63	53	46	41		51	45	41		50	45	41		49	44	40
10	61	50	43	39	60	49	43	38		48	42	38		47	42	38		46	41	37

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.2	5.9
10°-20°	2440.8	16.8
20°-30°	3501.1	24.1
30°-40°	3143.4	21.6
40°-50°	1533.1	10.6
50°-60°	1047.5	7.2
60°-70°	907.2	6.2
70°-80°	286.2	2.0
80°-90°	134.4	0.9
90°-100°	209.0	1.4
100°-110°	216.2	1.5
110°-120°	107.3	0.7
120°-130°	46.9	0.3
130°-140°	33.4	0.2
140°-150°	26.3	0.2
150°-160°	18.5	0.1
160°-170°	9.9	0.1
170°-180°	2.5	0.0
0°-30°	6801.1	46.8
0°-40°	9944.5	68.5
0°-60°	12525.1	86.2
0°-90°	13852.9	95.4
90°-120°	532.4	3.7
90°-150°	639.0	4.4
90°-180°	670.0	4.6
0°-180°	14522.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9082	
5°	9049	859
15°	8690	2441
25°	7667	3501
35°	5095	3143
45°	1831	1533
55°	1128	1047
65°	953	907
75°	254	286
85°	113	100
90°	135	76
95°	194	168
105°	208	216
115°	104	107
125°	50	47
135°	44	33
145°	42	26
155°	40	18
165°	35	10
175°	25	3
180°	24	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9081.8
2.5°	9058.6
5°	9049.0
7.5°	8995.8
10°	8908.8
12.5°	8816.1
15°	8689.5
17.5°	8493.3
20°	8245.0
22.5°	7970.5
25°	7667.1
27.5°	7307.6
30°	6715.2
32.5°	5957.6
35°	5094.6
37.5°	4206.5
40°	3333.0
42.5°	2560.8
45°	1831.2
47.5°	1393.5
50°	1177.0
52.5°	1138.4
55°	1127.7
57.5°	1185.7
60°	1253.4
62.5°	1189.6
65°	952.8
67.5°	675.5
70°	466.8
72.5°	338.2
75°	254.2
77.5°	188.4
80°	145.0
82.5°	120.8
85°	113.1
87.5°	118.9
90°	135.3
92.5°	163.3
95°	194.2
97.5°	223.2
100°	236.8
102.5°	229.0
105°	207.8
107.5°	182.6
110°	156.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	129.5
115°	104.4
117.5°	84.1
120°	67.6
122.5°	57.0
125°	50.3
127.5°	45.4
130°	43.5
132.5°	42.5
135°	43.5
137.5°	43.5
140°	42.5
142.5°	42.5
145°	41.6
147.5°	41.6
150°	40.6
152.5°	40.6
155°	39.6
157.5°	39.6
160°	38.7
162.5°	37.7
165°	34.8
167.5°	31.9
170°	29.0
172.5°	27.1
175°	25.1
177.5°	25.1
180°	24.2

(END OF REPORT)