

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: P1504263

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504263
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-21)
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-04-CLER-PS (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

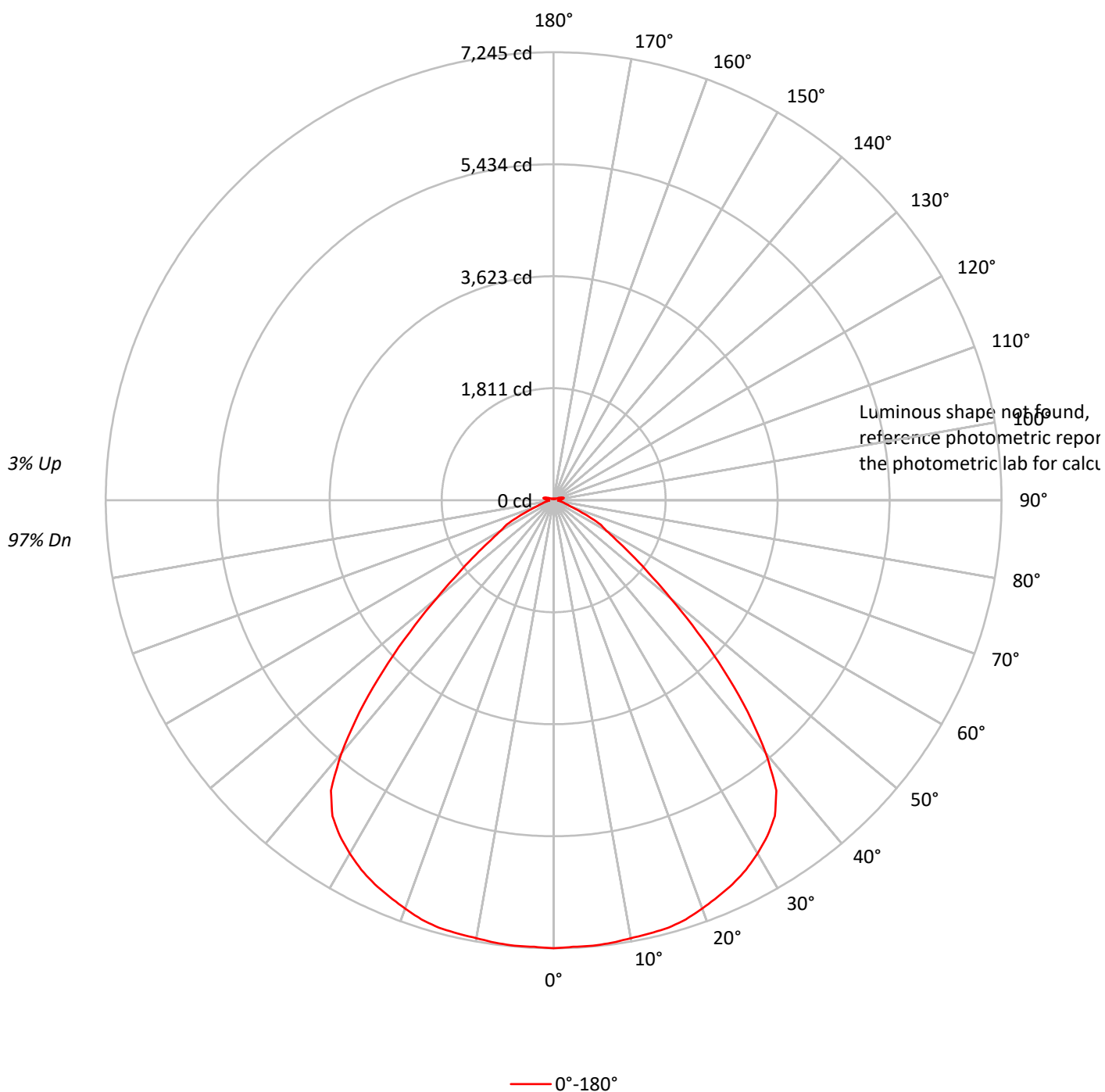
Lumens per Lamp: N/A
Luminaire Lumens: 15529.5 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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





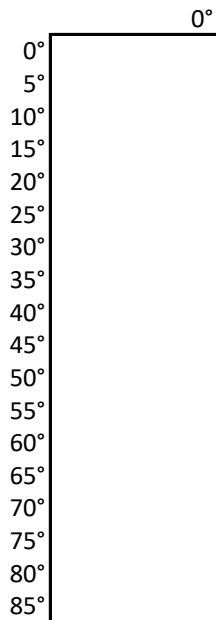
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	89	89	89	86
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	78	78	76
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	69	69	67
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	62	62	60
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	55	55	53
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	49	49	48
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	45	45	43
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	40	40	39
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	37	37	35
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	34	34	34	32

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.0	4.4
10°-20°	2021.2	13.0
20°-30°	3158.0	20.3
30°-40°	3842.7	24.7
40°-50°	2991.4	19.3
50°-60°	1424.5	9.2
60°-70°	625.4	4.0
70°-80°	201.3	1.3
80°-90°	93.3	0.6
90°-100°	129.3	0.8
100°-110°	162.6	1.0
110°-120°	87.0	0.6
120°-130°	35.7	0.2
130°-140°	24.0	0.2
140°-150°	20.6	0.1
150°-160°	14.7	0.1
160°-170°	7.2	0.0
170°-180°	1.7	0.0
0°-30°	5868.2	37.8
0°-40°	9710.9	62.5
0°-60°	14126.7	91.0
0°-90°	15046.7	96.9
90°-120°	378.9	2.4
90°-150°	459.2	3.0
90°-180°	483.0	3.1
0°-180°	15529.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7245	
5°	7232	689
15°	7159	2021
25°	6850	3158
35°	6236	3843
45°	3901	2991
55°	1534	1424
65°	632	625
75°	185	201
85°	78	73
90°	75	43
95°	118	106
105°	159	163
115°	86	87
125°	38	36
135°	31	24
145°	33	21
155°	32	15
165°	25	7
175°	16	2
180°	16	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7244.8
2.5°	7229.3
5°	7232.2
7.5°	7217.7
10°	7190.7
12.5°	7177.1
15°	7158.8
17.5°	7108.5
20°	7026.4
22.5°	6940.4
25°	6850.5
27.5°	6737.4
30°	6596.3
32.5°	6435.9
35°	6235.9
37.5°	5918.0
40°	5342.0
42.5°	4648.2
45°	3901.2
47.5°	3153.2
50°	2471.9
52.5°	1941.4
55°	1533.6
57.5°	1204.1
60°	985.7
62.5°	854.3
65°	632.0
67.5°	416.5
70°	288.0
72.5°	222.3
75°	184.6
77.5°	152.7
80°	119.8
82.5°	93.7
85°	78.3
87.5°	72.5
90°	75.4
92.5°	92.8
95°	117.9
97.5°	145.0
100°	162.3
102.5°	167.2
105°	159.4
107.5°	144.0
110°	124.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.4
115°	86.0
117.5°	68.6
120°	55.1
122.5°	44.5
125°	37.7
127.5°	32.9
130°	30.9
132.5°	30.0
135°	30.9
137.5°	31.9
140°	31.9
142.5°	32.9
145°	32.9
147.5°	32.9
150°	32.9
152.5°	32.9
155°	31.9
157.5°	30.9
160°	29.0
162.5°	27.1
165°	25.1
167.5°	23.2
170°	20.3
172.5°	18.4
175°	16.4
177.5°	15.5
180°	15.5

(END OF REPORT)