

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: P1504310

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504310
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-25)
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-TRWH-PS (3000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

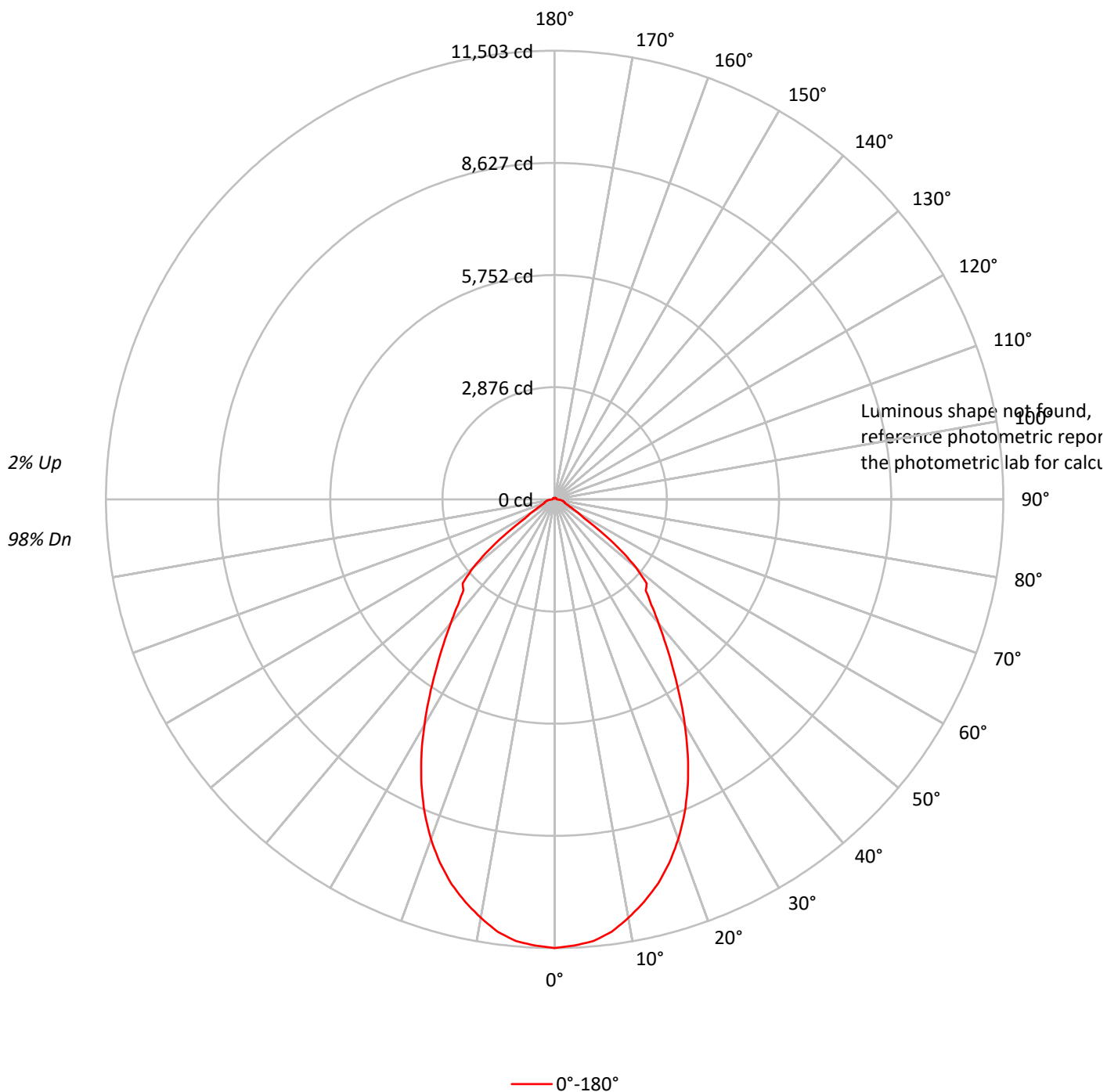
Lumens per Lamp: N/A
Luminaire Lumens: 16052.6 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 122.9
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



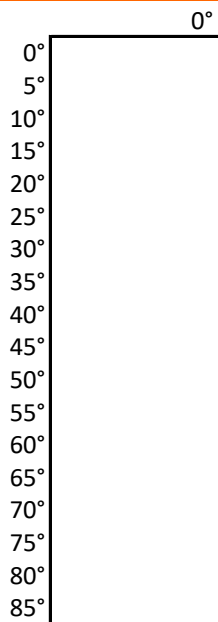
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	108	104	102	108	105	102	100	101	99	96	97	95	93	93	92	90			88
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81			79
3	97	89	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72			71
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65			63
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59			57
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54			52
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49			48
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42			40
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39			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°	1069.9	6.7
10°-20°	2856.5	17.8
20°-30°	3685.0	23.0
30°-40°	3318.1	20.7
40°-50°	2621.7	16.3
50°-60°	1367.0	8.5
60°-70°	440.9	2.7
70°-80°	262.4	1.6
80°-90°	144.3	0.9
90°-100°	53.6	0.3
100°-110°	52.6	0.3
110°-120°	48.6	0.3
120°-130°	42.1	0.3
130°-140°	34.4	0.2
140°-150°	27.1	0.2
150°-160°	17.8	0.1
160°-170°	8.4	0.1
170°-180°	2.1	0.0
0°-30°	7611.5	47.4
0°-40°	10929.6	68.1
0°-60°	14918.3	92.9
0°-90°	15765.8	98.2
90°-120°	154.8	1.0
90°-150°	258.4	1.6
90°-180°	287.0	1.8
0°-180°	16052.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11503	
5°	11367	###
15°	10210	2857
25°	8077	3685
35°	5280	3318
45°	3306	2622
55°	1449	1367
65°	416	441
75°	249	262
85°	135	125
90°	49	33
95°	49	40
105°	51	53
115°	49	49
125°	47	42
135°	44	34
145°	43	27
155°	38	18
165°	29	8
175°	21	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11503.3
2.5°	11448.2
5°	11367.3
7.5°	11183.1
10°	10892.1
12.5°	10571.9
15°	10210.2
17.5°	9774.2
20°	9268.7
22.5°	8706.9
25°	8076.7
27.5°	7394.7
30°	6674.6
32.5°	5961.2
35°	5280.3
37.5°	4675.9
40°	4143.4
42.5°	3668.2
45°	3306.4
47.5°	3198.5
50°	2726.7
52.5°	2127.9
55°	1449.3
57.5°	888.7
60°	699.9
62.5°	542.6
65°	415.7
67.5°	334.8
70°	288.7
72.5°	262.9
75°	249.4
77.5°	232.6
80°	207.8
82.5°	175.3
85°	134.8
87.5°	91.0
90°	49.4
92.5°	48.3
95°	49.4
97.5°	49.4
100°	49.4
102.5°	49.4
105°	50.6
107.5°	49.4
110°	49.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	49.4
115°	49.4
117.5°	48.3
120°	48.3
122.5°	47.2
125°	47.2
127.5°	46.1
130°	46.1
132.5°	44.9
135°	43.8
137.5°	43.8
140°	43.8
142.5°	43.8
145°	42.7
147.5°	42.7
150°	42.7
152.5°	41.6
155°	38.2
157.5°	34.8
160°	33.7
162.5°	31.5
165°	29.2
167.5°	27.0
170°	24.7
172.5°	22.5
175°	21.3
177.5°	20.2
180°	20.2

(END OF REPORT)