

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: P1504317

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504317
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-5)
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 (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

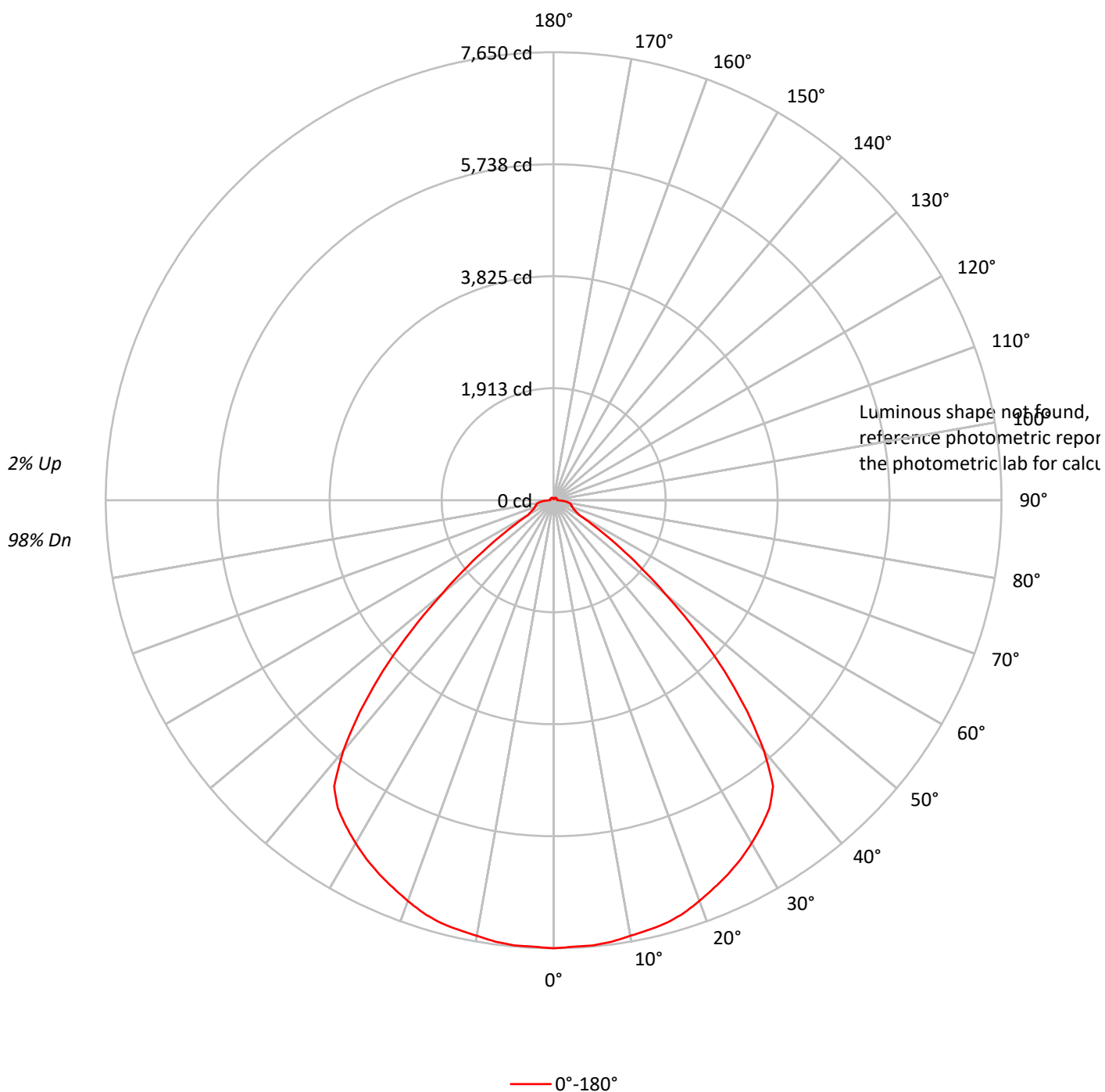
Lumens per Lamp: N/A
Luminaire Lumens: 15653.0 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 100.7
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	104	101	99	100	97	95	96	94	92	92	90	89			87
2	103	96	91	86	100	94	89	85	91	87	83	87	84	81	84	81	79			77
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	77	73	70			68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63			61
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56			54
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50			49
7	72	60	53	47	70	59	52	47	58	51	46	56	50	46	55	50	46			44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41			40
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35			33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.8	4.6
10°-20°	2107.6	13.5
20°-30°	3249.9	20.8
30°-40°	3969.7	25.4
40°-50°	3132.5	20.0
50°-60°	1205.9	7.7
60°-70°	400.2	2.6
70°-80°	326.0	2.1
80°-90°	193.1	1.2
90°-100°	65.2	0.4
100°-110°	64.0	0.4
110°-120°	58.6	0.4
120°-130°	50.6	0.3
130°-140°	41.2	0.3
140°-150°	31.7	0.2
150°-160°	20.2	0.1
160°-170°	8.9	0.1
170°-180°	2.1	0.0
0°-30°	6083.2	38.9
0°-40°	10052.9	64.2
0°-60°	14391.3	91.9
0°-90°	15310.6	97.8
90°-120°	187.8	1.2
90°-150°	311.2	2.0
90°-180°	342.0	2.2
0°-180°	15653.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7650	
5°	7631	726
15°	7471	2108
25°	7045	3250
35°	6424	3970
45°	4122	3132
55°	1291	1206
65°	395	400
75°	311	326
85°	186	168
90°	60	41
95°	60	49
105°	61	64
115°	59	59
125°	56	51
135°	53	41
145°	50	32
155°	43	20
165°	30	9
175°	20	2
180°	19	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7650
2.5°	7631
5°	7631
7.5°	7602
10°	7552
12.5°	7513
15°	7471
17.5°	7392
20°	7281
22.5°	7163
25°	7045
27.5°	6915
30°	6762
32.5°	6601
35°	6424
37.5°	6157
40°	5592
42.5°	4894
45°	4122
47.5°	3294
50°	2489
52.5°	1837
55°	1291
57.5°	826
60°	509
62.5°	441
65°	395
67.5°	357
70°	339
72.5°	323
75°	311
77.5°	295
80°	270
82.5°	235
85°	186
87.5°	123
90°	60
92.5°	59
95°	60
97.5°	60
100°	60
102.5°	61
105°	61
107.5°	60
110°	60

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	60
115°	59
117.5°	58
120°	58
122.5°	57
125°	56
127.5°	56
130°	55
132.5°	54
135°	53
137.5°	52
140°	52
142.5°	51
145°	50
147.5°	50
150°	49
152.5°	47
155°	43
157.5°	40
160°	37
162.5°	34
165°	30
167.5°	28
170°	25
172.5°	23
175°	20
177.5°	19
180°	19

(END OF REPORT)