

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: P1504342

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (6500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504342
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-26)
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 (6500K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

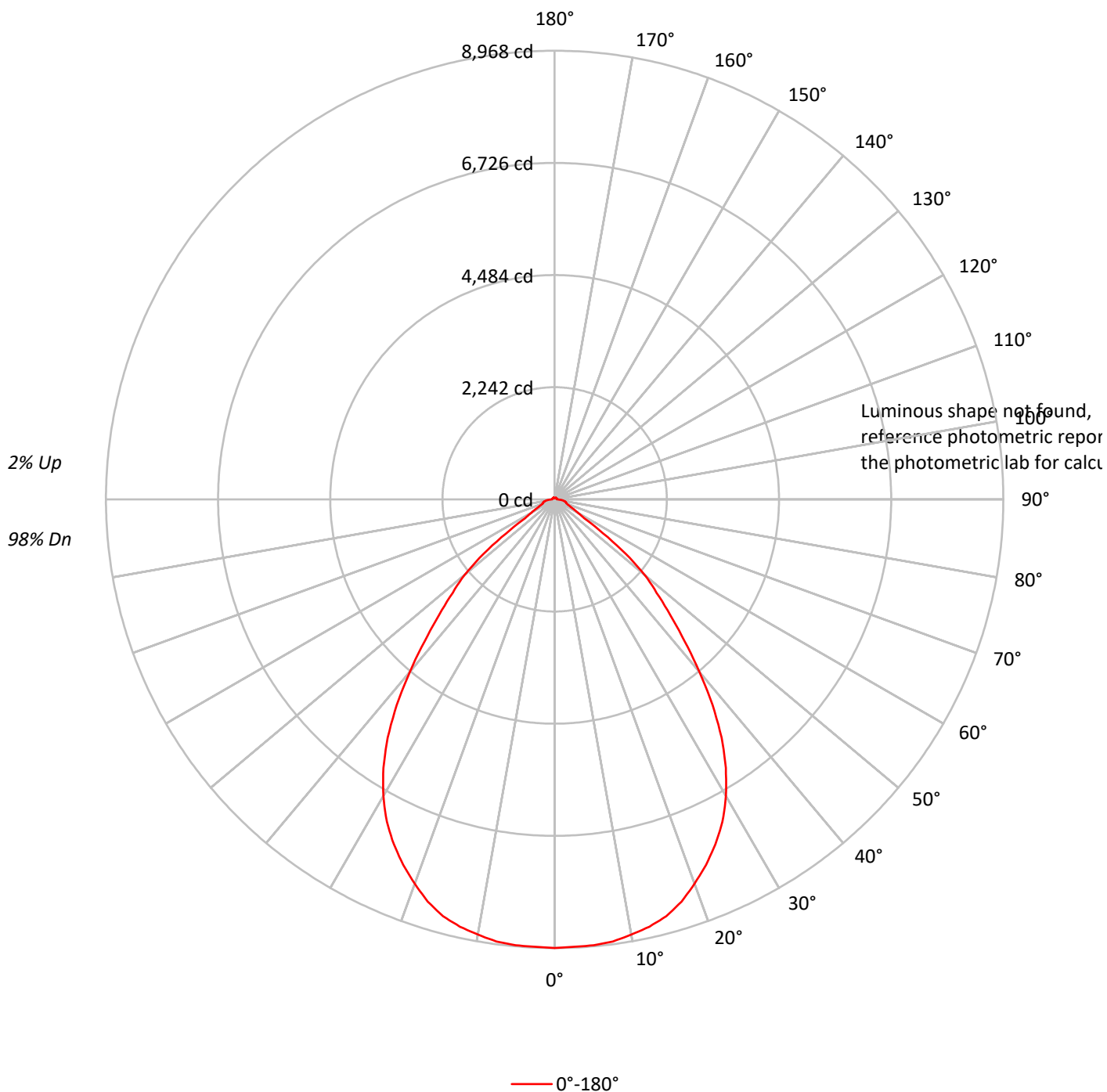
Lumens per Lamp: N/A
Luminaire Lumens: 15051.7 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.5
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



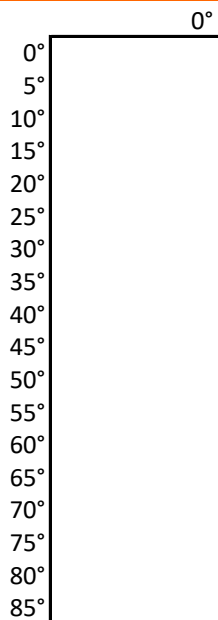
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	104	102	108	105	102	100	101	98	96	97	95	93	93	91	90			88
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	85	83	81			79
3	97	89	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72			70
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65			63
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59			57
6	79	68	60	55	77	67	60	55	65	59	54	63	58	54	62	57	53			51
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	57	52	48			47
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44			43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41			39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38			36

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	850.5	5.7
10°-20°	2421.9	16.1
20°-30°	3486.9	23.2
30°-40°	3589.3	23.8
40°-50°	2551.4	17.0
50°-60°	1132.1	7.5
60°-70°	366.8	2.4
70°-80°	245.3	1.6
80°-90°	139.4	0.9
90°-100°	50.3	0.3
100°-110°	49.3	0.3
110°-120°	45.5	0.3
120°-130°	39.3	0.3
130°-140°	32.4	0.2
140°-150°	25.4	0.2
150°-160°	16.5	0.1
160°-170°	7.6	0.1
170°-180°	1.9	0.0
0°-30°	6759.3	44.9
0°-40°	10348.6	68.8
0°-60°	14032.1	93.2
0°-90°	14783.5	98.2
90°-120°	145.1	1.0
90°-150°	242.1	1.6
90°-180°	268.0	1.8
0°-180°	15051.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8968	
5°	8946	851
15°	8624	2422
25°	7605	3487
35°	5816	3589
45°	3259	2551
55°	1184	1132
65°	353	367
75°	234	245
85°	132	121
90°	47	32
95°	46	38
105°	47	49
115°	46	46
125°	44	39
135°	42	32
145°	40	25
155°	35	17
165°	26	8
175°	19	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8967.7
2.5°	8949.5
5°	8946.5
7.5°	8912.1
10°	8834.1
12.5°	8748.1
15°	8624.5
17.5°	8430.2
20°	8175.0
22.5°	7905.7
25°	7605.1
27.5°	7264.9
30°	6846.8
32.5°	6366.9
35°	5816.2
37.5°	5183.4
40°	4496.0
42.5°	3846.1
45°	3258.9
47.5°	2763.8
50°	2356.8
52.5°	1795.0
55°	1184.5
57.5°	695.5
60°	539.6
62.5°	435.3
65°	353.3
67.5°	294.6
70°	264.2
72.5°	245.0
75°	233.9
77.5°	218.7
80°	197.4
82.5°	167.0
85°	131.6
87.5°	91.1
90°	46.6
92.5°	45.6
95°	45.6
97.5°	46.6
100°	46.6
102.5°	46.6
105°	46.6
107.5°	46.6
110°	46.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.6
115°	45.6
117.5°	45.6
120°	44.5
122.5°	44.5
125°	43.5
127.5°	43.5
130°	42.5
132.5°	42.5
135°	41.5
137.5°	41.5
140°	40.5
142.5°	40.5
145°	40.5
147.5°	40.5
150°	39.5
152.5°	38.5
155°	35.4
157.5°	32.4
160°	31.4
162.5°	28.3
165°	26.3
167.5°	24.3
170°	22.3
172.5°	20.2
175°	19.2
177.5°	18.2
180°	18.2

(END OF REPORT)