

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: P1504686

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504686
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-39)
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-B-04-TRWH-PS (4000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

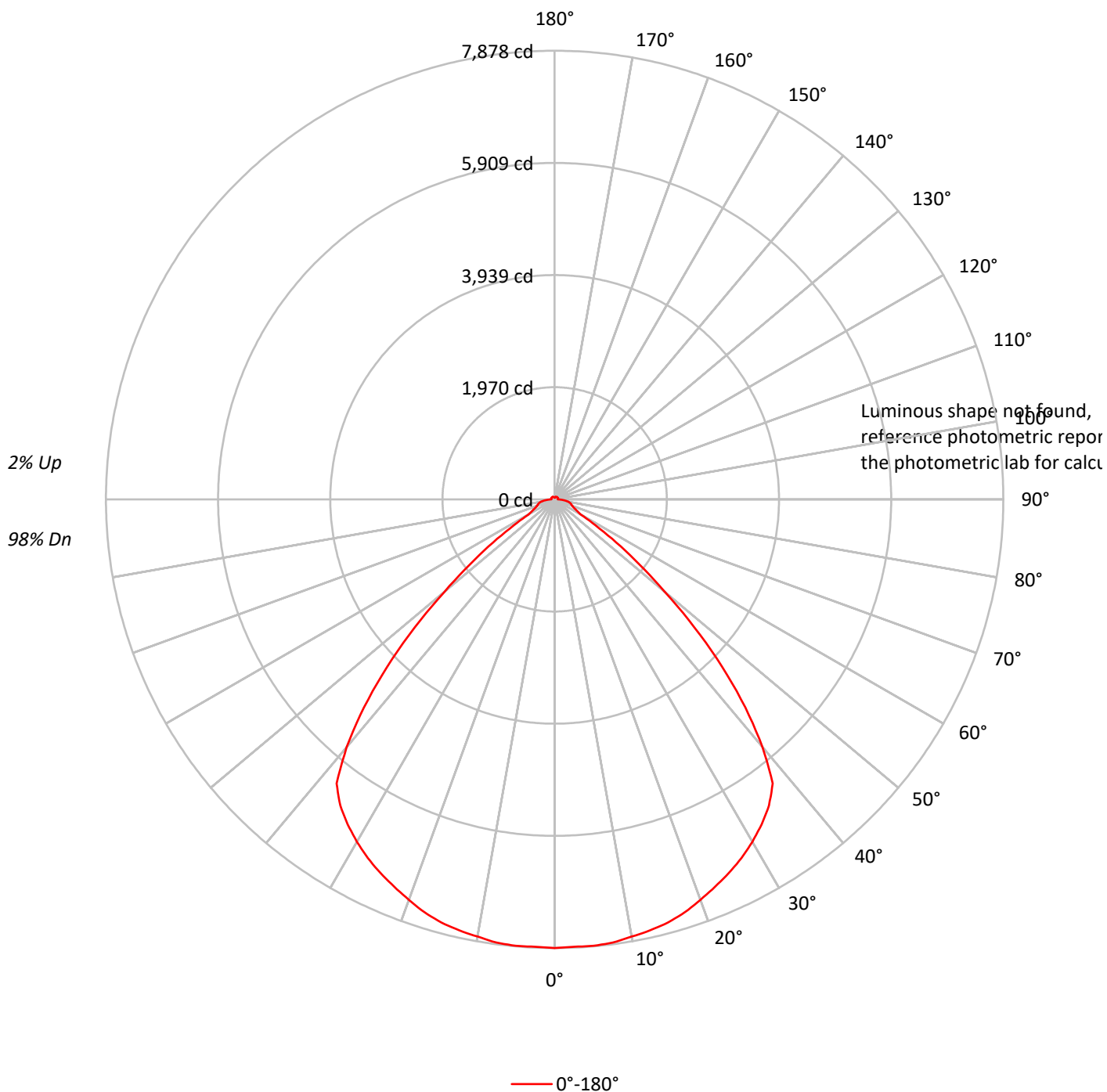
Lumens per Lamp: N/A
Luminaire Lumens: 15950.3 lumens
Efficiency: N/A
Efficacy: 160.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 99.5
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



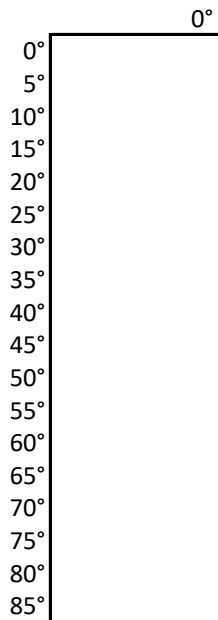
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	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
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	91	89
2	103	97	91	87	100	95	90	86	91	87	83	87	84	81	84	81	79
3	96	87	81	76	93	86	80	75	83	77	73	80	75	72	77	73	70
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63
5	83	72	65	59	81	71	64	59	69	63	58	67	61	57	65	60	56
6	77	66	58	53	75	65	58	52	63	57	52	61	56	51	60	55	51
7	72	60	53	47	70	60	52	47	58	51	47	56	51	46	55	50	46
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	46	42
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	748.8	4.7
10°-20°	2170.3	13.6
20°-30°	3338.9	20.9
30°-40°	4057.4	25.4
40°-50°	3171.1	19.9
50°-60°	1229.6	7.7
60°-70°	400.7	2.5
70°-80°	308.4	1.9
80°-90°	171.8	1.1
90°-100°	63.4	0.4
100°-110°	63.3	0.4
110°-120°	59.4	0.4
120°-130°	52.6	0.3
130°-140°	43.6	0.3
140°-150°	33.9	0.2
150°-160°	22.6	0.1
160°-170°	11.4	0.1
170°-180°	3.1	0.0
0°-30°	6258.0	39.2
0°-40°	10315.4	64.7
0°-60°	14716.0	92.3
0°-90°	15596.8	97.8
90°-120°	186.2	1.2
90°-150°	316.3	2.0
90°-180°	353.0	2.2
0°-180°	15950.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7878	
5°	7868	749
15°	7693	2170
25°	7239	3339
35°	6561	4057
45°	4165	3171
55°	1317	1230
65°	394	401
75°	295	308
85°	162	149
90°	58	38
95°	58	48
105°	60	63
115°	60	59
125°	59	53
135°	56	44
145°	54	34
155°	49	23
165°	40	11
175°	32	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7878.4
2.5°	7862.1
5°	7868.3
7.5°	7848.9
10°	7795.0
12.5°	7751.3
15°	7693.3
17.5°	7602.8
20°	7483.8
22.5°	7361.7
25°	7238.7
27.5°	7103.4
30°	6941.7
32.5°	6762.7
35°	6561.3
37.5°	6288.7
40°	5679.5
42.5°	4956.3
45°	4165.0
47.5°	3329.0
50°	2525.4
52.5°	1869.4
55°	1317.1
57.5°	847.2
60°	525.8
62.5°	449.6
65°	393.6
67.5°	349.9
70°	327.5
72.5°	309.2
75°	295.0
77.5°	275.6
80°	247.2
82.5°	209.5
85°	161.7
87.5°	106.8
90°	58.0
92.5°	57.0
95°	58.0
97.5°	59.0
100°	59.0
102.5°	60.0
105°	60.0
107.5°	60.0
110°	60.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	60.0
115°	60.0
117.5°	60.0
120°	59.0
122.5°	59.0
125°	59.0
127.5°	58.0
130°	58.0
132.5°	57.0
135°	55.9
137.5°	55.9
140°	54.9
142.5°	54.9
145°	53.9
147.5°	52.9
150°	52.9
152.5°	50.9
155°	48.8
157.5°	45.8
160°	44.8
162.5°	41.7
165°	39.7
167.5°	37.6
170°	34.6
172.5°	32.5
175°	31.5
177.5°	31.5
180°	31.5

(END OF REPORT)