

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: P1504675

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504675
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-38)
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 (3500K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

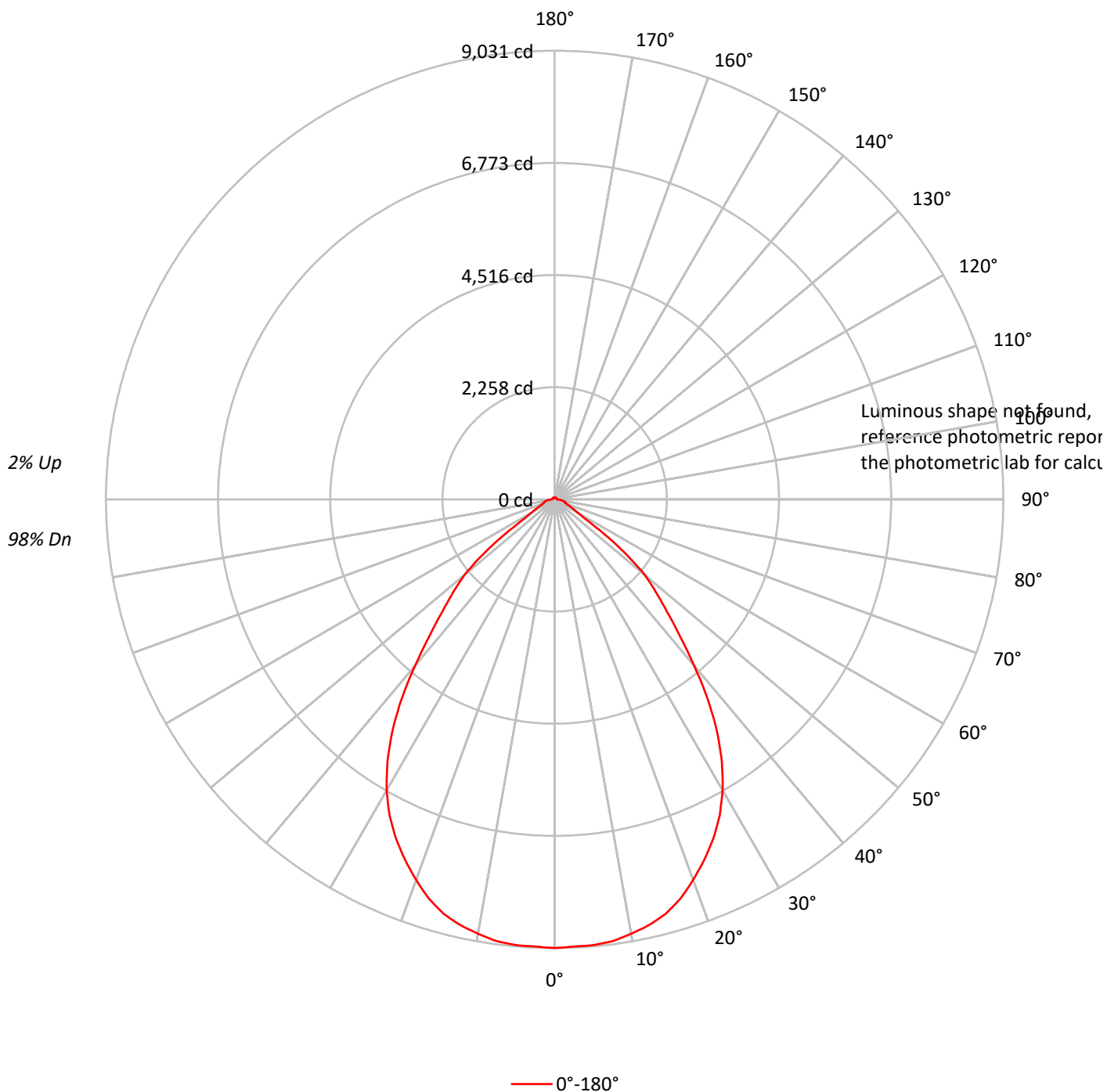
Lumens per Lamp: N/A
Luminaire Lumens: 14885.8 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 100.2
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





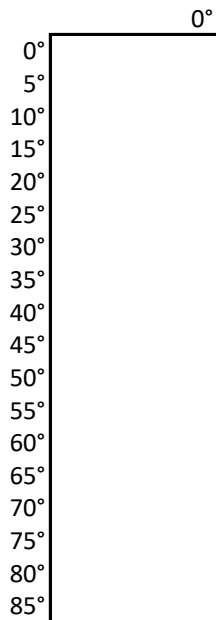
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	105	102	109	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	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	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	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	63	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	57	52	49	47		
8	69	58	51	46	68	57	50	46	56	50	45	55	49	45	53	48	45	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	50	45	41	39		
10	62	50	43	39	60	50	43	38	49	42	38	48	42	38	47	42	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°	855.7	5.7
10°-20°	2423.9	16.3
20°-30°	3458.5	23.2
30°-40°	3516.6	23.6
40°-50°	2506.8	16.8
50°-60°	1150.9	7.7
60°-70°	360.1	2.4
70°-80°	226.8	1.5
80°-90°	120.5	0.8
90°-100°	47.0	0.3
100°-110°	47.5	0.3
110°-120°	44.5	0.3
120°-130°	39.2	0.3
130°-140°	32.8	0.2
140°-150°	25.8	0.2
150°-160°	17.5	0.1
160°-170°	9.1	0.1
170°-180°	2.6	0.0
0°-30°	6738.2	45.3
0°-40°	10254.8	68.9
0°-60°	13912.5	93.5
0°-90°	14619.9	98.2
90°-120°	139.1	0.9
90°-150°	236.8	1.6
90°-180°	266.0	1.8
0°-180°	14885.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9031	
5°	9007	856
15°	8635	2424
25°	7546	3458
35°	5693	3517
45°	3188	2507
55°	1220	1151
65°	346	360
75°	217	227
85°	112	104
90°	43	28
95°	43	35
105°	45	47
115°	45	45
125°	44	39
135°	42	33
145°	41	26
155°	38	17
165°	32	9
175°	26	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9031
2.5°	9008
5°	9007
7.5°	8967
10°	8878
12.5°	8777
15°	8635
17.5°	8424
20°	8151
22.5°	7859
25°	7546
27.5°	7186
30°	6763
32.5°	6263
35°	5693
37.5°	5060
40°	4363
42.5°	3730
45°	3188
47.5°	2770
50°	2371
52.5°	1823
55°	1220
57.5°	707
60°	544
62.5°	431
65°	346
67.5°	284
70°	251
72.5°	230
75°	217
77.5°	199
80°	174
82.5°	145
85°	112
87.5°	77
90°	43
92.5°	42
95°	43
97.5°	44
100°	44
102.5°	45
105°	45
107.5°	45
110°	45

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45
115°	45
117.5°	45
120°	44
122.5°	44
125°	44
127.5°	43
130°	43
132.5°	43
135°	42
137.5°	42
140°	42
142.5°	41
145°	41
147.5°	41
150°	40
152.5°	39
155°	38
157.5°	36
160°	35
162.5°	33
165°	32
167.5°	30
170°	28
172.5°	27
175°	26
177.5°	26
180°	26

(END OF REPORT)