

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: P1504450

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504450
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-44)
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-06-CLER-PS (3500K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

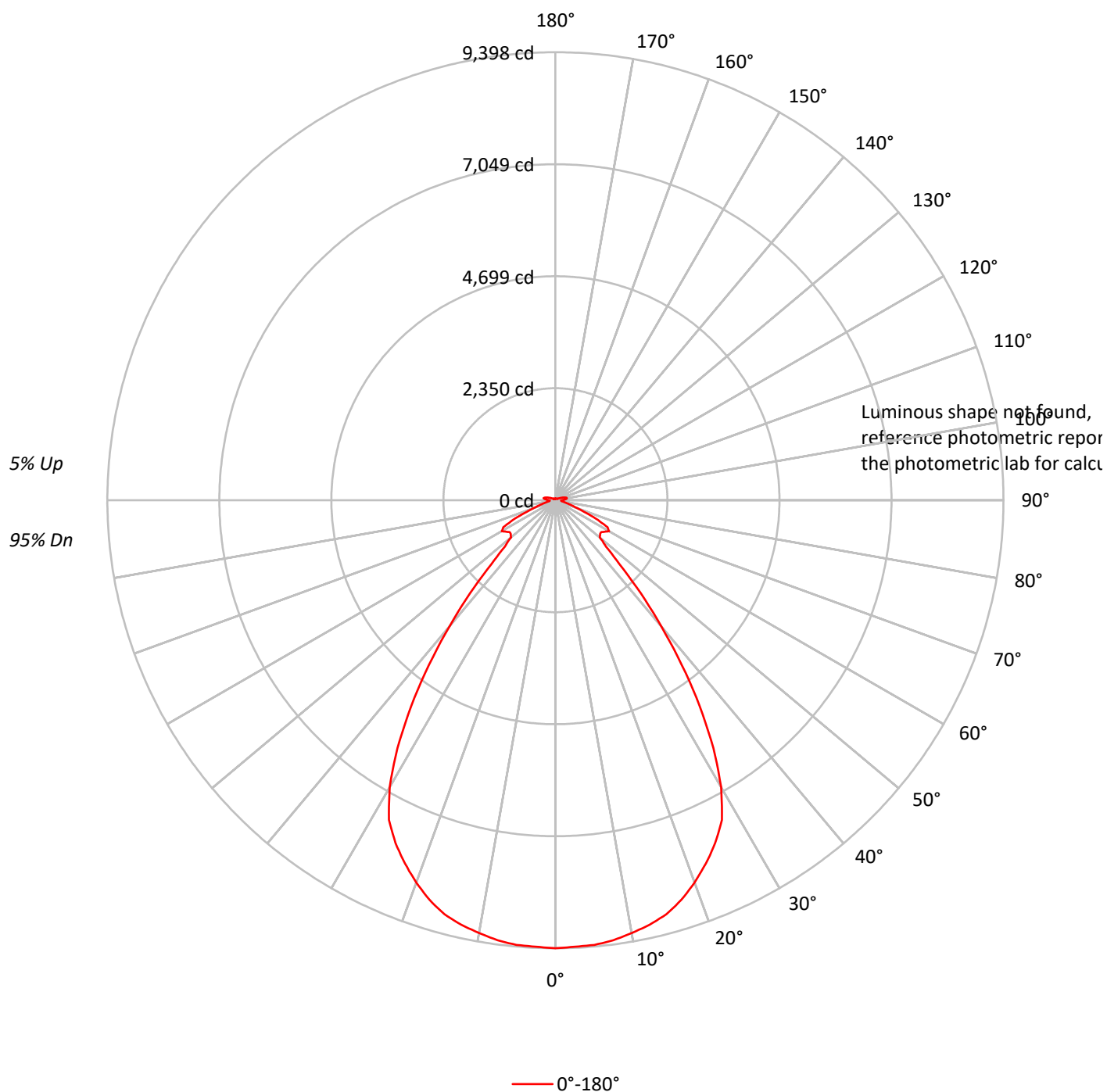
Lumens per Lamp: N/A
Luminaire Lumens: 15028.5 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.3
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





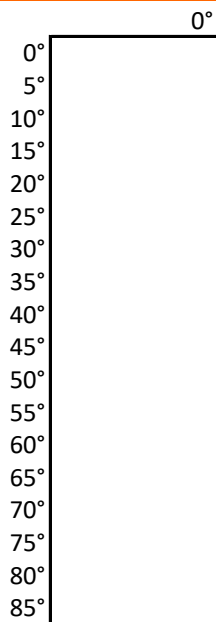
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95		
1	110	107	103	100	107	104	101	98	99	97	94	94	92	91	90	89	87	85		
2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	75		
3	96	87	81	76	93	85	79	75	82	77	73	79	75	71	76	72	69	67		
4	89	80	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62	61		
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55		
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50		
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	46		
8	69	57	50	45	67	57	50	45	55	49	45	54	48	44	52	47	44	42		
9	65	53	46	42	63	53	46	41	51	45	41	50	45	41	49	44	40	39		
10	61	50	43	39	60	49	43	38	48	42	38	47	42	38	46	41	37	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°	889.1	5.9
10°-20°	2525.8	16.8
20°-30°	3623.0	24.1
30°-40°	3252.9	21.6
40°-50°	1586.5	10.6
50°-60°	1083.9	7.2
60°-70°	938.7	6.2
70°-80°	296.1	2.0
80°-90°	139.1	0.9
90°-100°	216.3	1.4
100°-110°	223.7	1.5
110°-120°	111.0	0.7
120°-130°	48.5	0.3
130°-140°	34.6	0.2
140°-150°	27.2	0.2
150°-160°	19.1	0.1
160°-170°	10.3	0.1
170°-180°	2.6	0.0
0°-30°	7037.8	46.8
0°-40°	10290.7	68.5
0°-60°	12961.2	86.2
0°-90°	14335.1	95.4
90°-120°	551.0	3.7
90°-150°	661.3	4.4
90°-180°	693.0	4.6
0°-180°	15028.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9398	
5°	9364	889
15°	8992	2526
25°	7934	3623
35°	5272	3253
45°	1895	1587
55°	1167	1084
65°	986	939
75°	263	296
85°	117	103
90°	140	78
95°	201	174
105°	215	224
115°	108	111
125°	52	49
135°	45	35
145°	43	27
155°	41	19
165°	36	10
175°	26	3
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9398
2.5°	9374
5°	9364
7.5°	9309
10°	9219
12.5°	9123
15°	8992
17.5°	8789
20°	8532
22.5°	8248
25°	7934
27.5°	7562
30°	6949
32.5°	6165
35°	5272
37.5°	4353
40°	3449
42.5°	2650
45°	1895
47.5°	1442
50°	1218
52.5°	1178
55°	1167
57.5°	1227
60°	1297
62.5°	1231
65°	986
67.5°	699
70°	483
72.5°	350
75°	263
77.5°	195
80°	150
82.5°	125
85°	117
87.5°	123
90°	140
92.5°	169
95°	201
97.5°	231
100°	245
102.5°	237
105°	215
107.5°	189
110°	162

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	134
115°	108
117.5°	87
120°	70
122.5°	59
125°	52
127.5°	47
130°	45
132.5°	44
135°	45
137.5°	45
140°	44
142.5°	44
145°	43
147.5°	43
150°	42
152.5°	42
155°	41
157.5°	41
160°	40
162.5°	39
165°	36
167.5°	33
170°	30
172.5°	28
175°	26
177.5°	26
180°	25

(END OF REPORT)