

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: P1504272

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504272
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-21)
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-CLER-PS (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

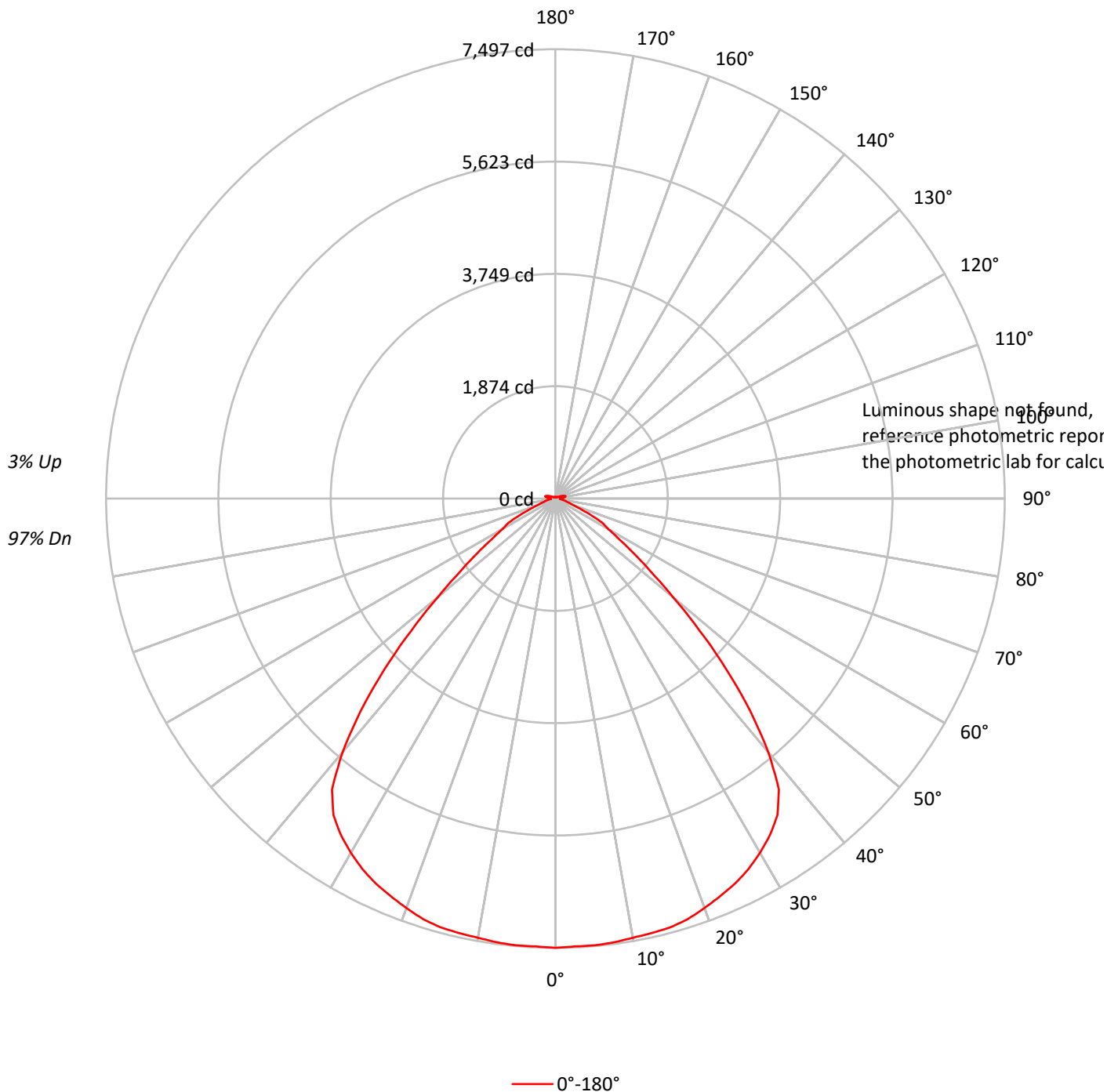
Lumens per Lamp: N/A
Luminaire Lumens: 16070.0 lumens
Efficiency: N/A
Efficacy: 160.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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





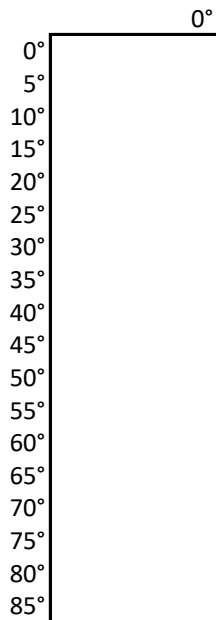
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	97	
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	89	89	86	
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	78	76	
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	69	67	
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	62	60	
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	55	53	
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	49	48	
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	45	43	
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	40	39	
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	37	35	
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	34	34	32	

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.0	4.4
10°-20°	2091.6	13.0
20°-30°	3267.9	20.3
30°-40°	3976.5	24.7
40°-50°	3095.5	19.3
50°-60°	1474.1	9.2
60°-70°	647.1	4.0
70°-80°	208.3	1.3
80°-90°	96.5	0.6
90°-100°	133.8	0.8
100°-110°	168.2	1.0
110°-120°	90.0	0.6
120°-130°	36.9	0.2
130°-140°	24.9	0.2
140°-150°	21.3	0.1
150°-160°	15.2	0.1
160°-170°	7.5	0.0
170°-180°	1.8	0.0
0°-30°	6072.5	37.8
0°-40°	10049.0	62.5
0°-60°	14618.6	91.0
0°-90°	15570.5	96.9
90°-120°	392.1	2.4
90°-150°	475.1	3.0
90°-180°	500.0	3.1
0°-180°	16070.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7497	
5°	7484	713
15°	7408	2092
25°	7089	3268
35°	6453	3977
45°	4037	3095
55°	1587	1474
65°	654	647
75°	191	208
85°	81	76
90°	78	45
95°	122	110
105°	165	168
115°	89	90
125°	39	37
135°	32	25
145°	34	21
155°	33	15
165°	26	7
175°	17	2
180°	16	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7497
2.5°	7481
5°	7484
7.5°	7469
10°	7441
12.5°	7427
15°	7408
17.5°	7356
20°	7271
22.5°	7182
25°	7089
27.5°	6972
30°	6826
32.5°	6660
35°	6453
37.5°	6124
40°	5528
42.5°	4810
45°	4037
47.5°	3263
50°	2558
52.5°	2009
55°	1587
57.5°	1246
60°	1020
62.5°	884
65°	654
67.5°	431
70°	298
72.5°	230
75°	191
77.5°	158
80°	124
82.5°	97
85°	81
87.5°	75
90°	78
92.5°	96
95°	122
97.5°	150
100°	168
102.5°	173
105°	165
107.5°	149
110°	129

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	108
115°	89
117.5°	71
120°	57
122.5°	46
125°	39
127.5°	34
130°	32
132.5°	31
135°	32
137.5°	33
140°	33
142.5°	34
145°	34
147.5°	34
150°	34
152.5°	34
155°	33
157.5°	32
160°	30
162.5°	28
165°	26
167.5°	24
170°	21
172.5°	19
175°	17
177.5°	16
180°	16

(END OF REPORT)