

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: P1504452

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504452
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-45)
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_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

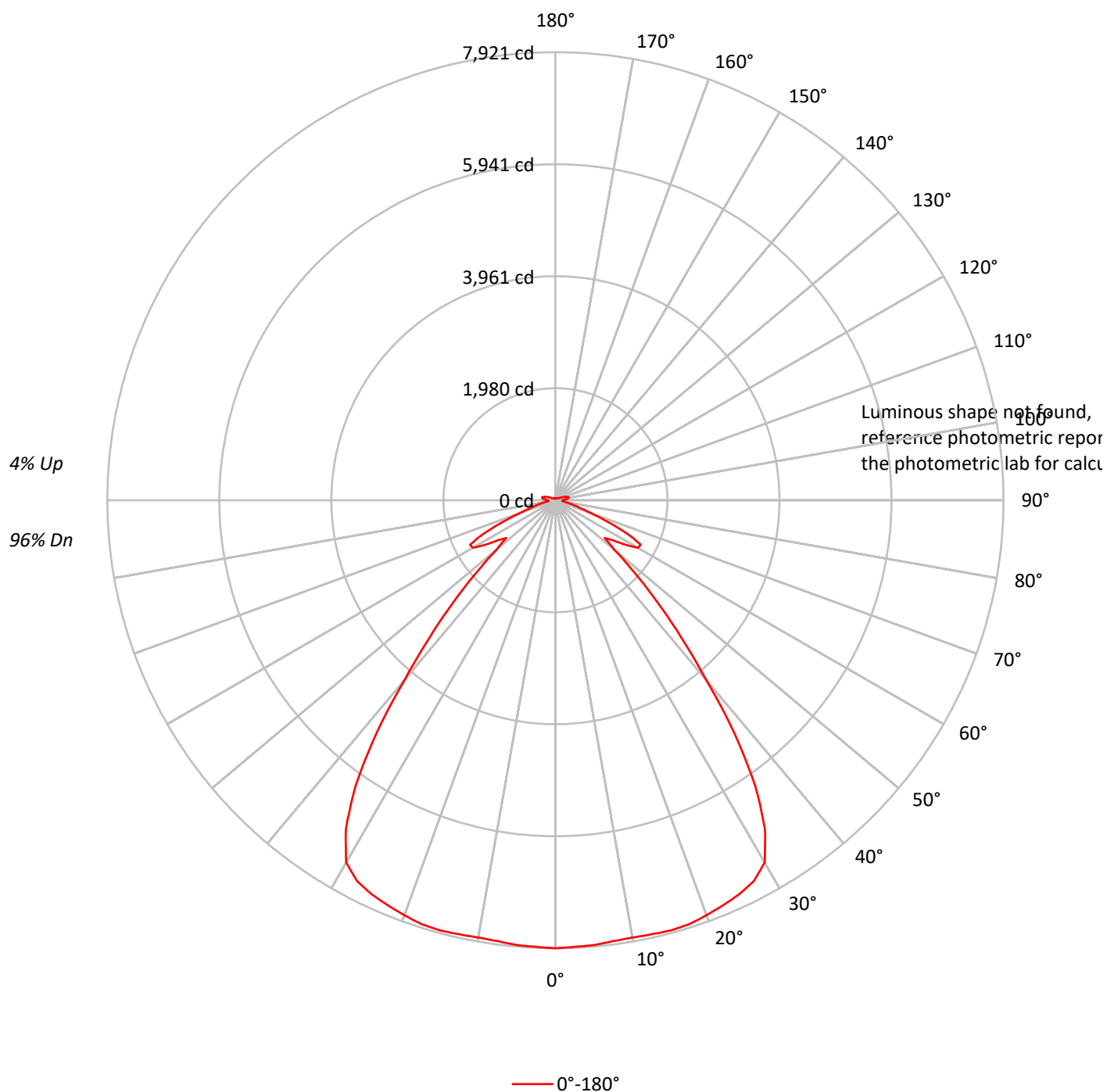
Lumens per Lamp: N/A
Luminaire Lumens: 16002.0 lumens
Efficiency: N/A
Efficacy: 159.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

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



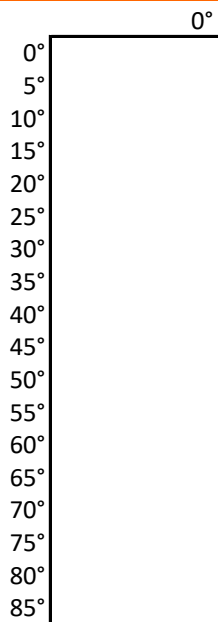
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	96
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	84
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	79	76	74
3	94	86	79	73	92	84	77	72	80	75	71	77	73	69	74	70	67	65
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	58
5	82	70	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	52
6	76	64	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	47
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	42
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	39
9	63	51	43	38	61	50	43	38	49	42	38	47	41	37	46	41	37	35
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	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°	751.6	4.7
10°-20°	2226.5	13.9
20°-30°	3539.2	22.1
30°-40°	3733.9	23.3
40°-50°	2000.8	12.5
50°-60°	1192.5	7.5
60°-70°	1306.8	8.2
70°-80°	388.8	2.4
80°-90°	145.6	0.9
90°-100°	205.5	1.3
100°-110°	230.0	1.4
110°-120°	120.2	0.8
120°-130°	54.8	0.3
130°-140°	39.5	0.2
140°-150°	30.7	0.2
150°-160°	21.3	0.1
160°-170°	11.4	0.1
170°-180°	2.9	0.0
0°-30°	6517.3	40.7
0°-40°	10251.1	64.1
0°-60°	13444.5	84.0
0°-90°	15285.7	95.5
90°-120°	555.7	3.5
90°-150°	680.7	4.3
90°-180°	716.0	4.5
0°-180°	16002.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7921	
5°	7893	752
15°	7875	2226
25°	7685	3539
35°	6160	3734
45°	2540	2001
55°	1227	1192
65°	1409	1307
75°	339	389
85°	121	111
90°	133	75
95°	189	166
105°	223	230
115°	118	120
125°	58	55
135°	51	39
145°	48	31
155°	46	21
165°	40	11
175°	29	3
180°	27	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7921
2.5°	7904
5°	7893
7.5°	7861
10°	7849
12.5°	7861
15°	7875
17.5°	7858
20°	7809
22.5°	7750
25°	7685
27.5°	7592
30°	7395
32.5°	6895
35°	6160
37.5°	5206
40°	4147
42.5°	3297
45°	2540
47.5°	1899
50°	1355
52.5°	1096
55°	1227
57.5°	1456
60°	1684
62.5°	1701
65°	1409
67.5°	1006
70°	675
72.5°	468
75°	339
77.5°	244
80°	177
82.5°	137
85°	121
87.5°	121
90°	133
92.5°	157
95°	189
97.5°	221
100°	241
102.5°	240
105°	223
107.5°	199
110°	172

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	144
115°	118
117.5°	95
120°	78
122.5°	67
125°	58
127.5°	54
130°	51
132.5°	51
135°	51
137.5°	51
140°	51
142.5°	50
145°	48
147.5°	48
150°	47
152.5°	47
155°	46
157.5°	45
160°	44
162.5°	43
165°	40
167.5°	37
170°	34
172.5°	31
175°	29
177.5°	28
180°	27

(END OF REPORT)