

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: P1504278

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504278
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 (4000K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

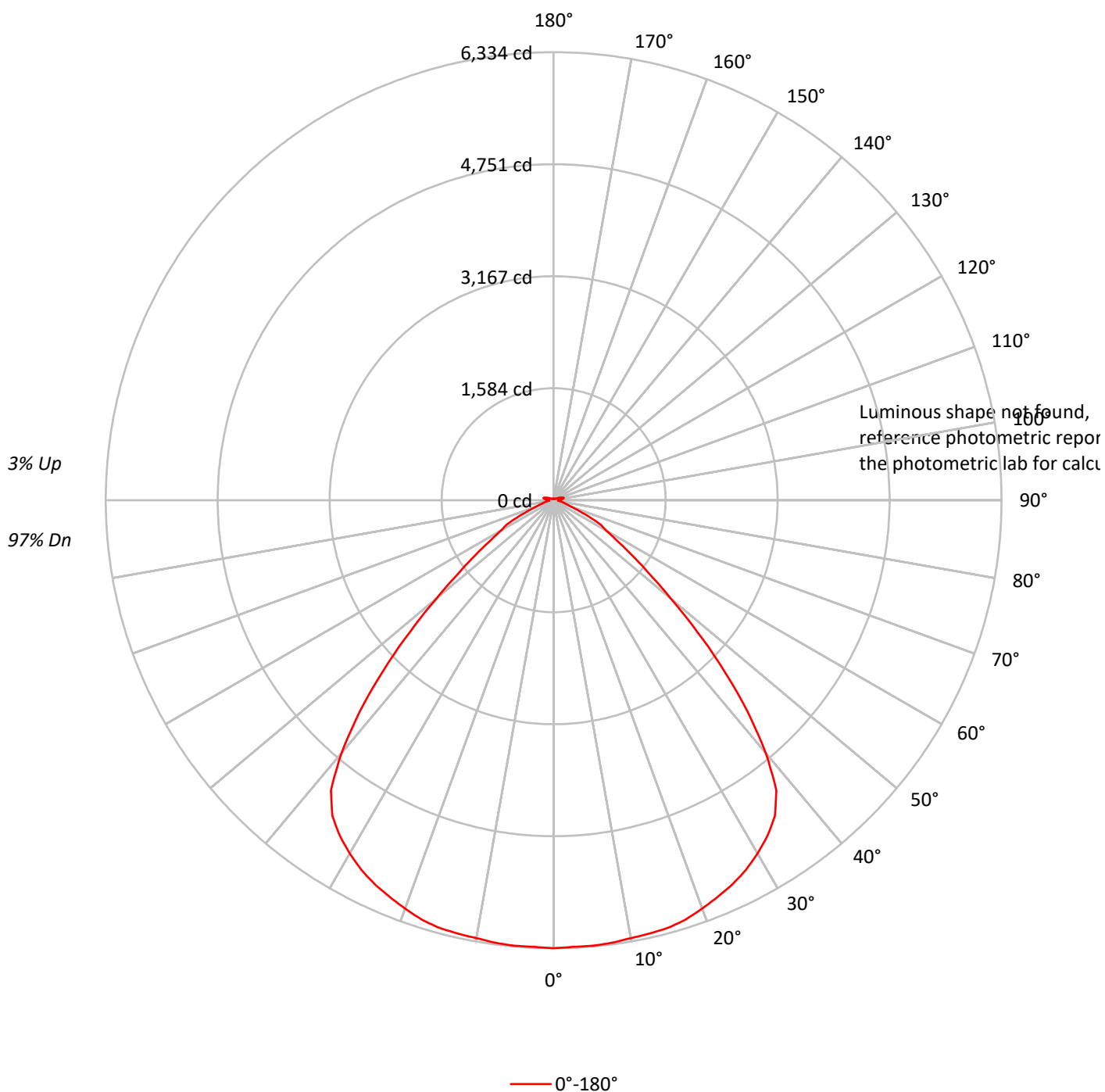
Lumens per Lamp: N/A
Luminaire Lumens: 13576.5 lumens
Efficiency: N/A
Efficacy: 168.2 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 80.7
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





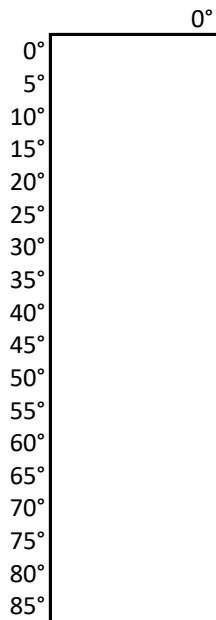
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
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°	602.3	4.4
10°-20°	1767.1	13.0
20°-30°	2760.8	20.3
30°-40°	3359.5	24.7
40°-50°	2615.2	19.3
50°-60°	1245.4	9.2
60°-70°	546.7	4.0
70°-80°	176.0	1.3
80°-90°	81.5	0.6
90°-100°	113.0	0.8
100°-110°	142.2	1.0
110°-120°	76.1	0.6
120°-130°	31.2	0.2
130°-140°	21.0	0.2
140°-150°	18.0	0.1
150°-160°	12.8	0.1
160°-170°	6.3	0.0
170°-180°	1.5	0.0
0°-30°	5130.2	37.8
0°-40°	8489.7	62.5
0°-60°	12350.3	91.0
0°-90°	13154.5	96.9
90°-120°	331.3	2.4
90°-150°	401.4	3.0
90°-180°	422.0	3.1
0°-180°	13576.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6334	
5°	6323	602
15°	6258	1767
25°	5989	2761
35°	5452	3359
45°	3411	2615
55°	1341	1245
65°	552	547
75°	161	176
85°	68	64
90°	66	38
95°	103	93
105°	139	142
115°	75	76
125°	33	31
135°	27	21
145°	29	18
155°	28	13
165°	22	6
175°	14	1
180°	14	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6333.7
2.5°	6320.2
5°	6322.7
7.5°	6310.1
10°	6286.4
12.5°	6274.6
15°	6258.5
17.5°	6214.6
20°	6142.8
22.5°	6067.6
25°	5989.0
27.5°	5890.2
30°	5766.8
32.5°	5626.6
35°	5451.7
37.5°	5173.8
40°	4670.2
42.5°	4063.6
45°	3410.6
47.5°	2756.7
50°	2161.1
52.5°	1697.3
55°	1340.7
57.5°	1052.7
60°	861.7
62.5°	746.8
65°	552.5
67.5°	364.1
70°	251.8
72.5°	194.3
75°	161.4
77.5°	133.5
80°	104.8
82.5°	81.9
85°	68.4
87.5°	63.4
90°	65.9
92.5°	81.1
95°	103.1
97.5°	126.7
100°	141.9
102.5°	146.2
105°	139.4
107.5°	125.9
110°	109.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	91.2
115°	75.2
117.5°	60.0
120°	48.2
122.5°	38.9
125°	32.9
127.5°	28.7
130°	27.0
132.5°	26.2
135°	27.0
137.5°	27.9
140°	27.9
142.5°	28.7
145°	28.7
147.5°	28.7
150°	28.7
152.5°	28.7
155°	27.9
157.5°	27.0
160°	25.3
162.5°	23.7
165°	22.0
167.5°	20.3
170°	17.7
172.5°	16.1
175°	14.4
177.5°	13.5
180°	13.5

(END OF REPORT)