

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: P1504470

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504470
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 (5000K_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

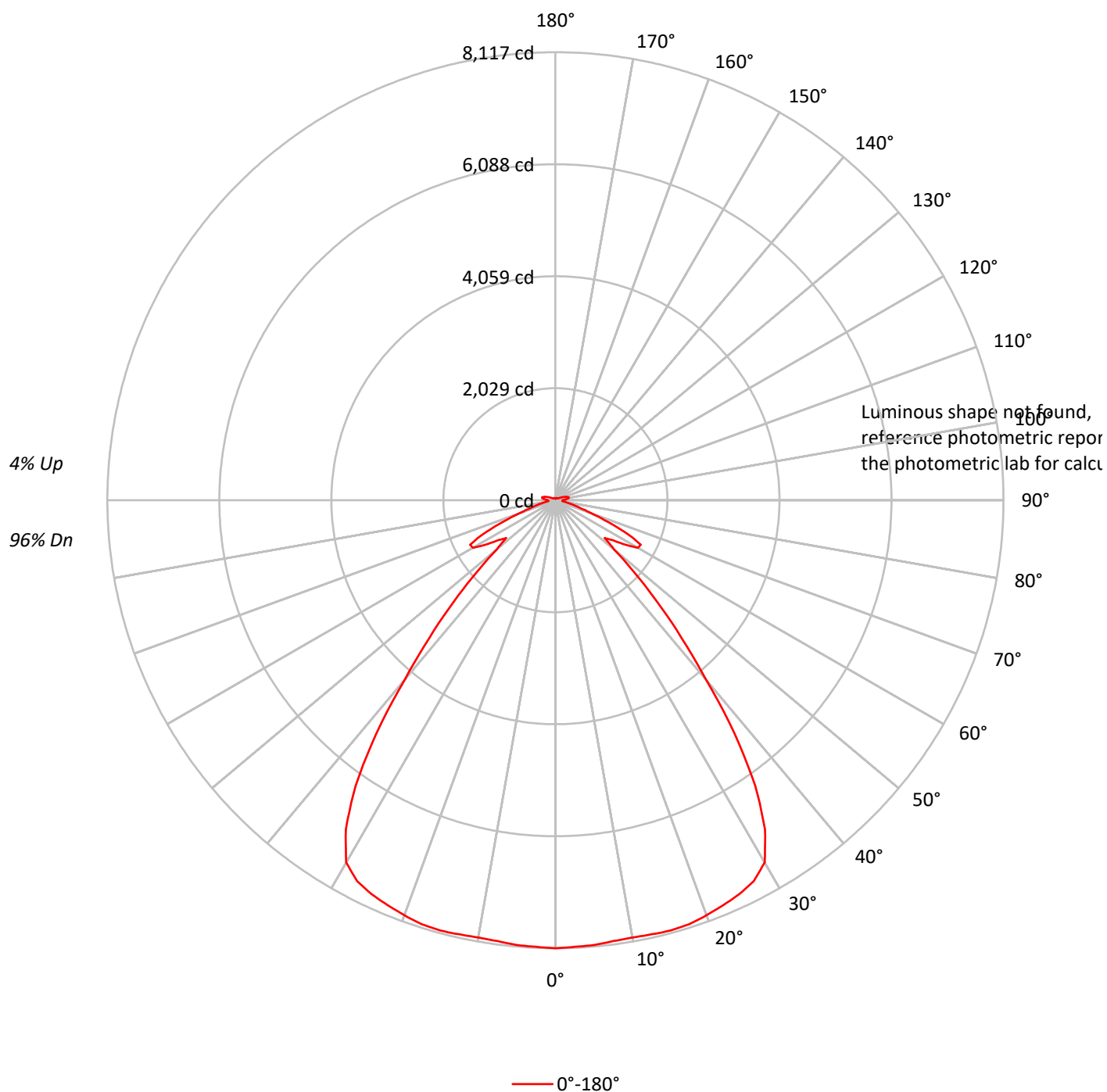
Lumens per Lamp: N/A
Luminaire Lumens: 16398.3 lumens
Efficiency: N/A
Efficacy: 163.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.1
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	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	96			
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	86	86	86	86	84			
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	79	76	76	76	76	74	74			
3	94	86	79	73	92	84	77	72	80	75	71	77	73	69	74	70	67	67	67	67	65	65			
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	60	60	60	58	58			
5	82	70	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	54	54	54	52	52			
6	76	64	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	49	49	49	47	47			
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	44	44	44	42	42			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	40	40	40	39	39			
9	63	51	43	38	61	50	43	38	49	42	38	47	41	37	46	41	37	37	37	37	35	35			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	34	32	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°	770.2	4.7
10°-20°	2281.6	13.9
20°-30°	3626.8	22.1
30°-40°	3826.3	23.3
40°-50°	2050.4	12.5
50°-60°	1222.0	7.5
60°-70°	1339.2	8.2
70°-80°	398.4	2.4
80°-90°	149.2	0.9
90°-100°	210.6	1.3
100°-110°	235.7	1.4
110°-120°	123.2	0.8
120°-130°	56.2	0.3
130°-140°	40.5	0.2
140°-150°	31.4	0.2
150°-160°	21.8	0.1
160°-170°	11.7	0.1
170°-180°	3.0	0.0
0°-30°	6678.6	40.7
0°-40°	10505.0	64.1
0°-60°	13777.4	84.0
0°-90°	15664.2	95.5
90°-120°	569.5	3.5
90°-150°	697.6	4.3
90°-180°	734.0	4.5
0°-180°	16398.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8117	
5°	8088	770
15°	8070	2282
25°	7875	3627
35°	6312	3826
45°	2603	2050
55°	1257	1222
65°	1444	1339
75°	347	398
85°	124	114
90°	136	76
95°	194	170
105°	228	236
115°	121	123
125°	59	56
135°	52	41
145°	49	31
155°	47	22
165°	41	12
175°	30	3
180°	28	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8117.1
2.5°	8099.7
5°	8088.4
7.5°	8055.6
10°	8043.4
12.5°	8055.6
15°	8070.0
17.5°	8052.6
20°	8002.4
22.5°	7941.9
25°	7875.3
27.5°	7780.0
30°	7578.1
32.5°	7065.7
35°	6312.5
37.5°	5334.9
40°	4249.7
42.5°	3378.6
45°	2602.9
47.5°	1946.0
50°	1388.6
52.5°	1123.1
55°	1257.4
57.5°	1492.1
60°	1725.7
62.5°	1743.1
65°	1443.9
67.5°	1030.9
70°	691.7
72.5°	479.6
75°	347.4
77.5°	250.0
80°	181.4
82.5°	140.4
85°	124.0
87.5°	124.0
90°	136.3
92.5°	160.9
95°	193.7
97.5°	226.5
100°	247.0
102.5°	245.9
105°	228.5
107.5°	203.9
110°	176.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	147.6
115°	120.9
117.5°	97.4
120°	79.9
122.5°	68.7
125°	59.4
127.5°	55.3
130°	52.3
132.5°	52.3
135°	52.3
137.5°	52.3
140°	52.3
142.5°	51.2
145°	49.2
147.5°	49.2
150°	48.2
152.5°	48.2
155°	47.1
157.5°	46.1
160°	45.1
162.5°	44.1
165°	41.0
167.5°	37.9
170°	34.8
172.5°	31.8
175°	29.7
177.5°	28.7
180°	27.7

(END OF REPORT)