

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: P1504456

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504456
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 (4000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

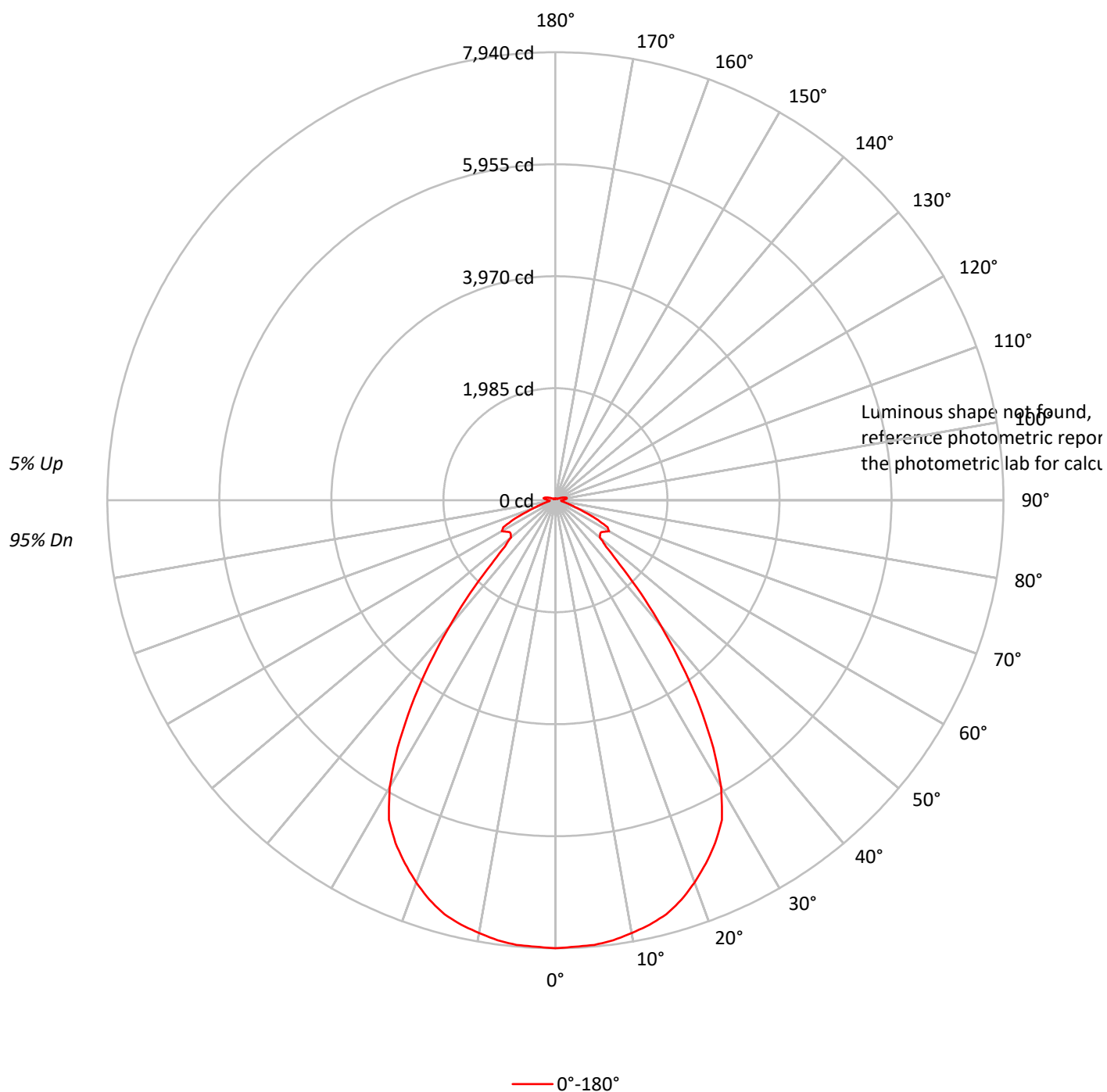
Lumens per Lamp: N/A
Luminaire Lumens: 12696.5 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





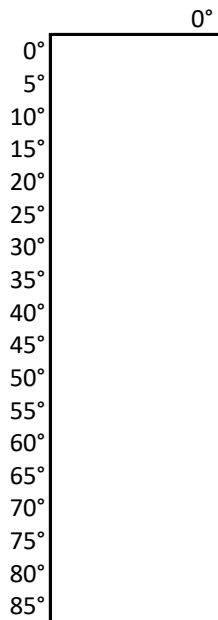
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				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°	751.1	5.9
10°-20°	2133.9	16.8
20°-30°	3060.8	24.1
30°-40°	2748.1	21.6
40°-50°	1340.3	10.6
50°-60°	915.7	7.2
60°-70°	793.1	6.2
70°-80°	250.2	2.0
80°-90°	117.5	0.9
90°-100°	182.8	1.4
100°-110°	189.0	1.5
110°-120°	93.8	0.7
120°-130°	41.0	0.3
130°-140°	29.2	0.2
140°-150°	23.0	0.2
150°-160°	16.1	0.1
160°-170°	8.7	0.1
170°-180°	2.2	0.0
0°-30°	5945.8	46.8
0°-40°	8693.9	68.5
0°-60°	10950.0	86.2
0°-90°	12110.7	95.4
90°-120°	465.5	3.7
90°-150°	558.7	4.4
90°-180°	586.0	4.6
0°-180°	12696.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7940	
5°	7911	751
15°	7597	2134
25°	6703	3061
35°	4454	2748
45°	1601	1340
55°	986	916
65°	833	793
75°	222	250
85°	99	87
90°	118	66
95°	170	147
105°	182	189
115°	91	94
125°	44	41
135°	38	29
145°	36	23
155°	35	16
165°	30	9
175°	22	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7939.7
2.5°	7919.5
5°	7911.0
7.5°	7864.5
10°	7788.5
12.5°	7707.4
15°	7596.7
17.5°	7425.2
20°	7208.1
22.5°	6968.2
25°	6702.9
27.5°	6388.6
30°	5870.7
32.5°	5208.4
35°	4454.0
37.5°	3677.6
40°	2913.8
42.5°	2238.8
45°	1601.0
47.5°	1218.2
50°	1029.0
52.5°	995.2
55°	985.9
57.5°	1036.6
60°	1095.7
62.5°	1040.0
65°	833.0
67.5°	590.5
70°	408.1
72.5°	295.7
75°	222.2
77.5°	164.7
80°	126.7
82.5°	105.6
85°	98.8
87.5°	103.9
90°	118.3
92.5°	142.8
95°	169.8
97.5°	195.2
100°	207.0
102.5°	200.2
105°	181.6
107.5°	159.7
110°	136.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	113.2
115°	91.2
117.5°	73.5
120°	59.1
122.5°	49.8
125°	43.9
127.5°	39.7
130°	38.0
132.5°	37.2
135°	38.0
137.5°	38.0
140°	37.2
142.5°	37.2
145°	36.3
147.5°	36.3
150°	35.5
152.5°	35.5
155°	34.6
157.5°	34.6
160°	33.8
162.5°	32.9
165°	30.4
167.5°	27.9
170°	25.3
172.5°	23.7
175°	22.0
177.5°	22.0
180°	21.1

(END OF REPORT)