

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: P1504505

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504505
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-49)
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-TRWH-PS (4000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

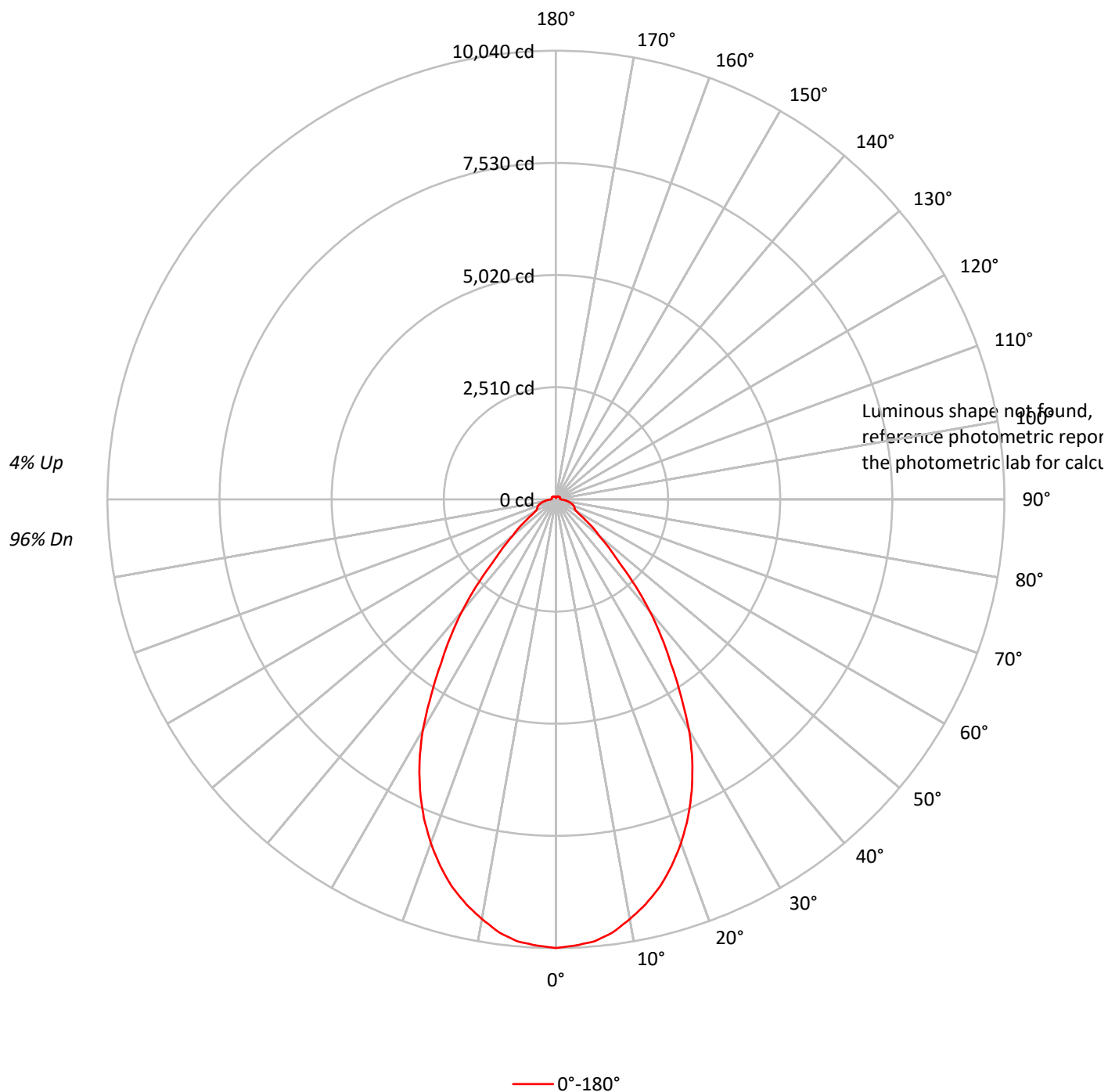
Lumens per Lamp: N/A
Luminaire Lumens: 13532.9 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 99.5
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





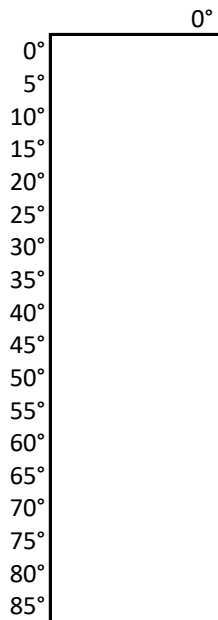
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	85		
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	76		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	69		
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	68	64	62		
5	85	74	67	62	82	73	66	61	71	65	60	68	63	60	66	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	64	57	51	73	63	56	51	61	55	51	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	44		
9	67	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	41		
10	63	52	45	41	62	51	45	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	934.9	6.9
10°-20°	2512.2	18.6
20°-30°	3279.7	24.2
30°-40°	2823.0	20.9
40°-50°	1631.8	12.1
50°-60°	749.0	5.5
60°-70°	461.2	3.4
70°-80°	379.0	2.8
80°-90°	205.8	1.5
90°-100°	106.4	0.8
100°-110°	104.1	0.8
110°-120°	95.8	0.7
120°-130°	82.4	0.6
130°-140°	66.5	0.5
140°-150°	50.0	0.4
150°-160°	32.0	0.2
160°-170°	15.2	0.1
170°-180°	3.8	0.0
0°-30°	6726.9	49.7
0°-40°	9549.8	70.6
0°-60°	11930.6	88.2
0°-90°	12976.7	95.9
90°-120°	306.3	2.3
90°-150°	505.2	3.7
90°-180°	556.0	4.1
0°-180°	13532.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10040	
5°	9926	935
15°	8979	2512
25°	7194	3280
35°	4493	2823
45°	2007	1632
55°	810	749
65°	460	461
75°	362	379
85°	189	173
90°	97	59
95°	97	80
105°	98	104
115°	96	96
125°	92	82
135°	86	66
145°	80	50
155°	68	32
165°	53	15
175°	37	4
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10040.1
2.5°	9991.4
5°	9926.1
7.5°	9771.2
10°	9533.5
12.5°	9279.2
15°	8979.1
17.5°	8606.9
20°	8185.0
22.5°	7719.3
25°	7194.2
27.5°	6615.4
30°	5961.7
32.5°	5197.9
35°	4493.4
37.5°	3872.8
40°	3276.5
42.5°	2641.3
45°	2007.0
47.5°	1621.2
50°	1262.7
52.5°	1049.3
55°	809.6
57.5°	618.7
60°	521.2
62.5°	481.3
65°	459.9
67.5°	446.2
70°	425.8
72.5°	397.5
75°	362.4
77.5°	322.5
80°	279.6
82.5°	235.8
85°	189.0
87.5°	142.2
90°	97.4
92.5°	96.5
95°	97.4
97.5°	98.4
100°	98.4
102.5°	98.4
105°	98.4
107.5°	98.4
110°	98.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	97.4
115°	96.5
117.5°	95.5
120°	94.5
122.5°	93.5
125°	91.6
127.5°	90.6
130°	88.7
132.5°	87.7
135°	85.7
137.5°	83.8
140°	82.8
142.5°	80.9
145°	79.9
147.5°	77.9
150°	76.0
152.5°	73.1
155°	68.2
157.5°	64.3
160°	61.4
162.5°	56.5
165°	52.6
167.5°	48.7
170°	44.8
172.5°	39.9
175°	37.0
177.5°	36.0
180°	36.0

(END OF REPORT)