

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: P1504874

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504874
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-61)
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-B-06-TRWH-PS (5000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

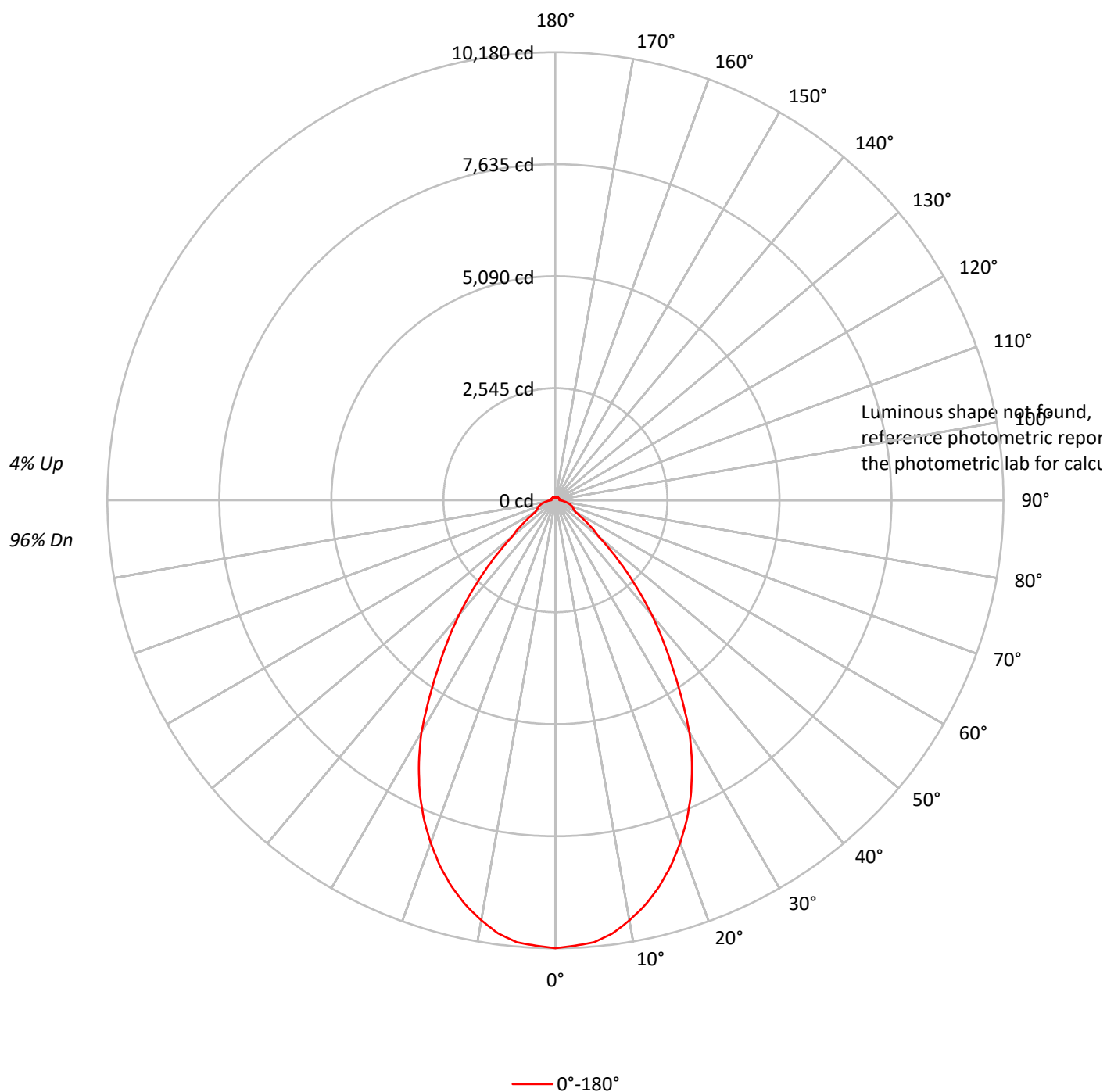
Lumens per Lamp: N/A
Luminaire Lumens: 13753.6 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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





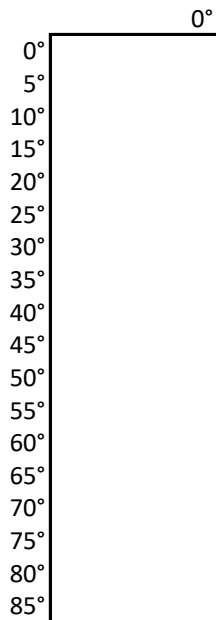
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	111	107	104	101	108	104	101	99	99	97	95	95	93	91	91	89	88	86		
2	103	97	92	88	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	97	89	82	77	94	87	81	76	83	79	75	80	76	73	78	74	71	69		
4	90	81	74	69	88	80	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	75	67	62	83	73	67	62	71	65	61	69	64	60	67	62	59	57		
6	80	69	62	57	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	57	52	73	63	56	51	61	55	51	60	54	50	58	53	50	48		
8	71	59	52	47	69	59	52	47	57	51	47	56	50	46	54	49	46	44		
9	67	55	49	44	65	55	48	44	53	47	43	52	47	43	51	46	43	41		
10	63	52	45	41	62	51	45	41	50	44	40	49	44	40	48	43	40	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°	949.7	6.9
10°-20°	2546.2	18.5
20°-30°	3328.1	24.2
30°-40°	2907.9	21.1
40°-50°	1750.6	12.7
50°-60°	765.2	5.6
60°-70°	449.3	3.3
70°-80°	345.7	2.5
80°-90°	177.8	1.3
90°-100°	96.6	0.7
100°-110°	96.4	0.7
110°-120°	90.5	0.7
120°-130°	79.5	0.6
130°-140°	65.3	0.5
140°-150°	49.7	0.4
150°-160°	33.3	0.2
160°-170°	17.0	0.1
170°-180°	4.6	0.0
0°-30°	6824.0	49.6
0°-40°	9731.9	70.8
0°-60°	12247.7	89.1
0°-90°	13220.5	96.1
90°-120°	283.5	2.1
90°-150°	478.1	3.5
90°-180°	533.0	3.9
0°-180°	13753.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10180	
5°	10082	950
15°	9093	2546
25°	7298	3328
35°	4629	2908
45°	2245	1751
55°	836	765
65°	448	449
75°	330	346
85°	161	149
90°	89	53
95°	89	73
105°	92	96
115°	92	90
125°	89	80
135°	85	65
145°	79	50
155°	72	33
165°	59	17
175°	47	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10179.9
2.5°	10132.7
5°	10081.5
7.5°	9929.9
10°	9692.7
12.5°	9421.1
15°	9093.4
17.5°	8713.5
20°	8285.4
22.5°	7818.0
25°	7298.3
27.5°	6716.7
30°	6084.9
32.5°	5333.0
35°	4629.4
37.5°	4010.3
40°	3415.9
42.5°	2822.5
45°	2244.8
47.5°	1741.9
50°	1283.3
52.5°	1068.8
55°	835.5
57.5°	635.8
60°	521.6
62.5°	474.4
65°	447.8
67.5°	429.1
70°	402.5
72.5°	369.1
75°	329.7
77.5°	287.4
80°	244.1
82.5°	202.7
85°	161.4
87.5°	122.0
90°	88.6
92.5°	86.6
95°	88.6
97.5°	89.6
100°	90.5
102.5°	90.5
105°	91.5
107.5°	91.5
110°	91.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	91.5
115°	91.5
117.5°	90.5
120°	90.5
122.5°	89.6
125°	88.6
127.5°	87.6
130°	86.6
132.5°	85.6
135°	84.6
137.5°	82.7
140°	81.7
142.5°	80.7
145°	78.7
147.5°	77.7
150°	76.8
152.5°	74.8
155°	71.8
157.5°	68.9
160°	65.9
162.5°	63.0
165°	59.0
167.5°	56.1
170°	52.2
172.5°	48.2
175°	47.2
177.5°	47.2
180°	47.2

(END OF REPORT)