

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: P1504862

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (4000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504862
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 (4000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

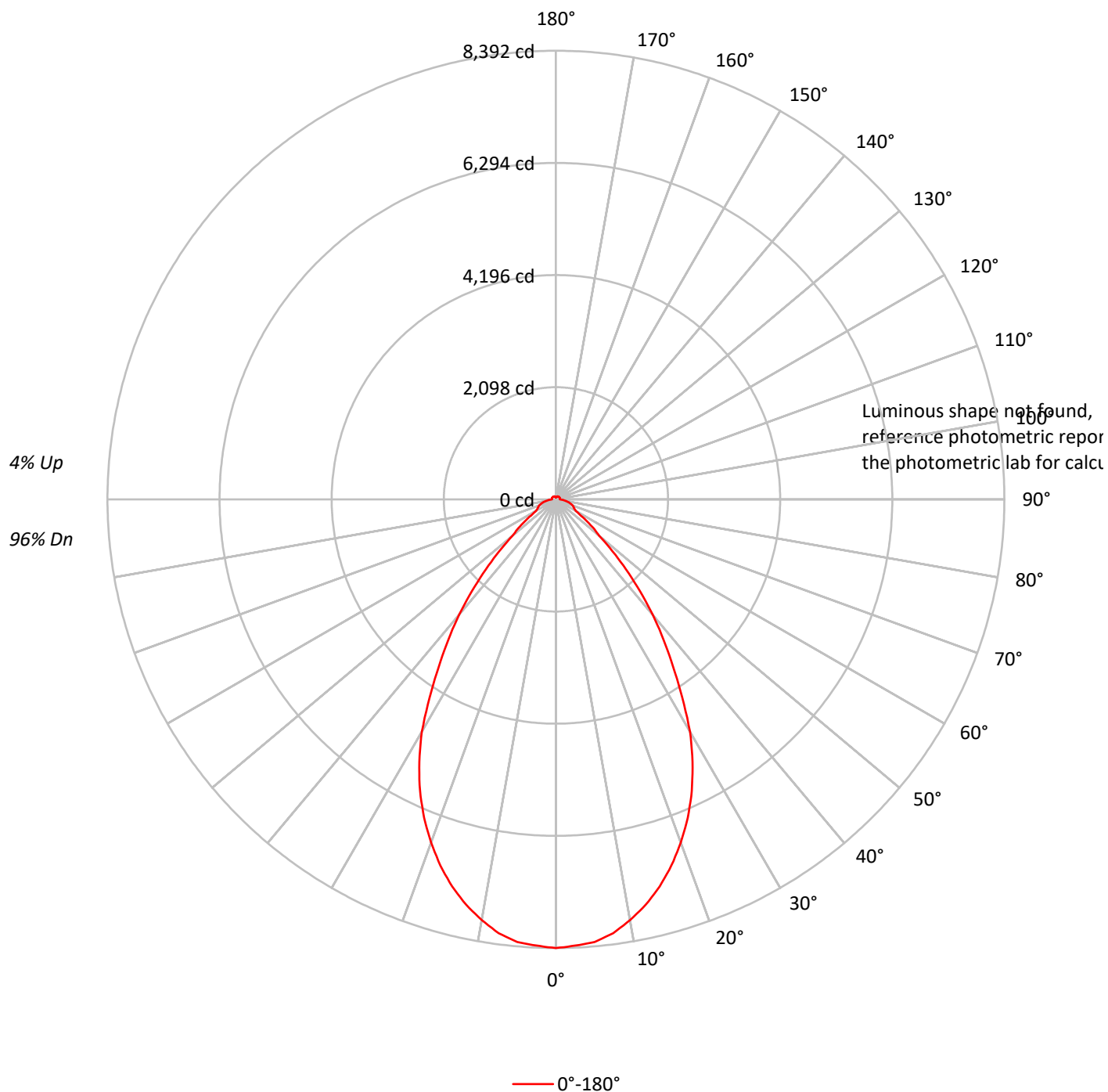
Lumens per Lamp: N/A
Luminaire Lumens: 11338.7 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





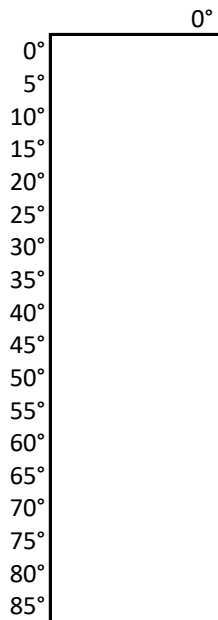
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	783.0	6.9
10°-20°	2099.2	18.5
20°-30°	2743.7	24.2
30°-40°	2397.3	21.1
40°-50°	1443.2	12.7
50°-60°	630.8	5.6
60°-70°	370.4	3.3
70°-80°	285.0	2.5
80°-90°	146.6	1.3
90°-100°	79.6	0.7
100°-110°	79.5	0.7
110°-120°	74.6	0.7
120°-130°	65.5	0.6
130°-140°	53.9	0.5
140°-150°	41.0	0.4
150°-160°	27.5	0.2
160°-170°	14.0	0.1
170°-180°	3.8	0.0
0°-30°	5625.9	49.6
0°-40°	8023.2	70.8
0°-60°	10097.3	89.1
0°-90°	10899.2	96.1
90°-120°	233.8	2.1
90°-150°	394.2	3.5
90°-180°	440.0	3.9
0°-180°	11338.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8392	
5°	8311	783
15°	7497	2099
25°	6017	2744
35°	3816	2397
45°	1851	1443
55°	689	631
65°	369	370
75°	272	285
85°	133	123
90°	73	44
95°	73	60
105°	76	80
115°	76	75
125°	73	66
135°	70	54
145°	65	41
155°	59	27
165°	49	14
175°	39	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8392.5
2.5°	8353.6
5°	8311.4
7.5°	8186.4
10°	7990.9
12.5°	7767.0
15°	7496.8
17.5°	7183.6
20°	6830.7
22.5°	6445.3
25°	6016.9
27.5°	5537.4
30°	5016.5
32.5°	4396.7
35°	3816.5
37.5°	3306.2
40°	2816.2
42.5°	2326.9
45°	1850.7
47.5°	1436.1
50°	1058.0
52.5°	881.1
55°	688.8
57.5°	524.1
60°	430.0
62.5°	391.1
65°	369.2
67.5°	353.7
70°	331.8
72.5°	304.3
75°	271.8
77.5°	236.9
80°	201.2
82.5°	167.1
85°	133.1
87.5°	100.6
90°	73.0
92.5°	71.4
95°	73.0
97.5°	73.8
100°	74.6
102.5°	74.6
105°	75.5
107.5°	75.5
110°	75.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	75.5
115°	75.5
117.5°	74.6
120°	74.6
122.5°	73.8
125°	73.0
127.5°	72.2
130°	71.4
132.5°	70.6
135°	69.8
137.5°	68.2
140°	67.3
142.5°	66.5
145°	64.9
147.5°	64.1
150°	63.3
152.5°	61.7
155°	59.2
157.5°	56.8
160°	54.4
162.5°	51.9
165°	48.7
167.5°	46.2
170°	43.0
172.5°	39.8
175°	38.9
177.5°	38.9
180°	38.9

(END OF REPORT)