

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: P1504459

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (4000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504459
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_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

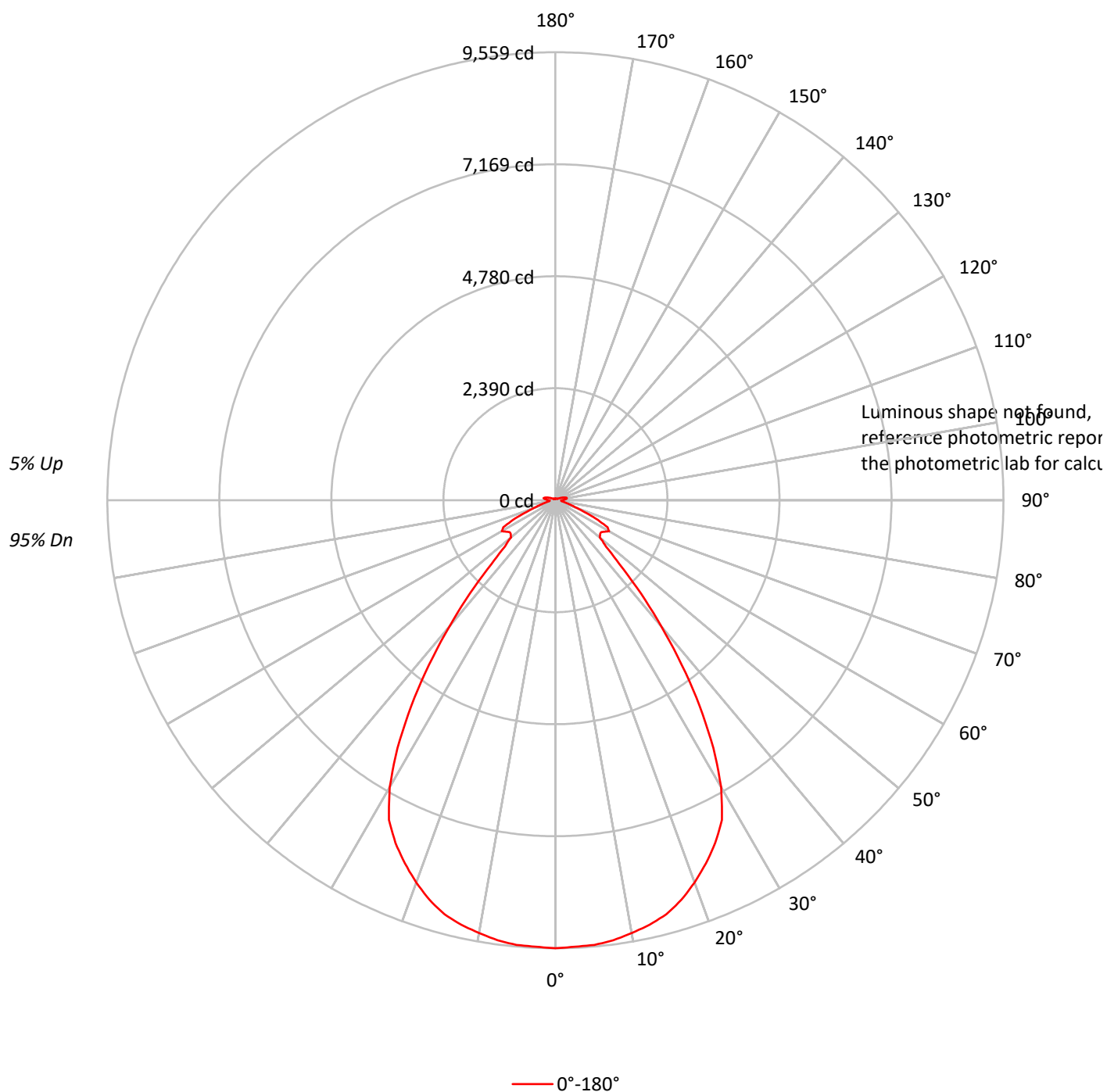
Lumens per Lamp: N/A
Luminaire Lumens: 15285.4 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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



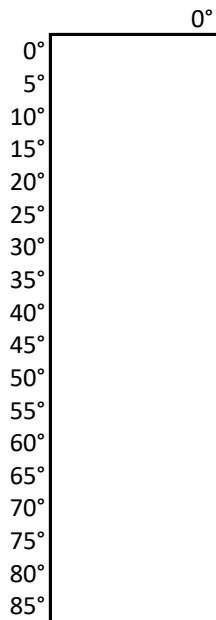
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	904.3	5.9
10°-20°	2569.0	16.8
20°-30°	3684.9	24.1
30°-40°	3308.5	21.6
40°-50°	1613.6	10.6
50°-60°	1102.5	7.2
60°-70°	954.8	6.2
70°-80°	301.2	2.0
80°-90°	141.5	0.9
90°-100°	220.0	1.4
100°-110°	227.5	1.5
110°-120°	112.9	0.7
120°-130°	49.4	0.3
130°-140°	35.2	0.2
140°-150°	27.7	0.2
150°-160°	19.4	0.1
160°-170°	10.5	0.1
170°-180°	2.7	0.0
0°-30°	7158.2	46.8
0°-40°	10466.7	68.5
0°-60°	13182.8	86.2
0°-90°	14580.2	95.4
90°-120°	560.4	3.7
90°-150°	672.6	4.4
90°-180°	705.0	4.6
0°-180°	15285.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9559	
5°	9524	904
15°	9146	2569
25°	8070	3685
35°	5362	3308
45°	1927	1614
55°	1187	1102
65°	1003	955
75°	268	301
85°	119	105
90°	142	80
95°	204	177
105°	219	228
115°	110	113
125°	53	49
135°	46	35
145°	44	28
155°	42	19
165°	37	10
175°	26	3
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9558.7
2.5°	9534.3
5°	9524.1
7.5°	9468.1
10°	9376.6
12.5°	9279.0
15°	9145.7
17.5°	8939.3
20°	8677.9
22.5°	8389.0
25°	8069.6
27.5°	7691.3
30°	7067.8
32.5°	6270.4
35°	5362.1
37.5°	4427.4
40°	3508.0
42.5°	2695.3
45°	1927.4
47.5°	1466.7
50°	1238.8
52.5°	1198.1
55°	1187.0
57.5°	1248.0
60°	1319.2
62.5°	1252.0
65°	1002.9
67.5°	710.9
70°	491.3
72.5°	356.0
75°	267.5
77.5°	198.3
80°	152.6
82.5°	127.1
85°	119.0
87.5°	125.1
90°	142.4
92.5°	171.9
95°	204.4
97.5°	234.9
100°	249.2
102.5°	241.1
105°	218.7
107.5°	192.2
110°	164.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	136.3
115°	109.8
117.5°	88.5
120°	71.2
122.5°	60.0
125°	52.9
127.5°	47.8
130°	45.8
132.5°	44.8
135°	45.8
137.5°	45.8
140°	44.8
142.5°	44.8
145°	43.7
147.5°	43.7
150°	42.7
152.5°	42.7
155°	41.7
157.5°	41.7
160°	40.7
162.5°	39.7
165°	36.6
167.5°	33.6
170°	30.5
172.5°	28.5
175°	26.4
177.5°	26.4
180°	25.4

(END OF REPORT)