

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: P1504468

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504468
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 (5000K_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

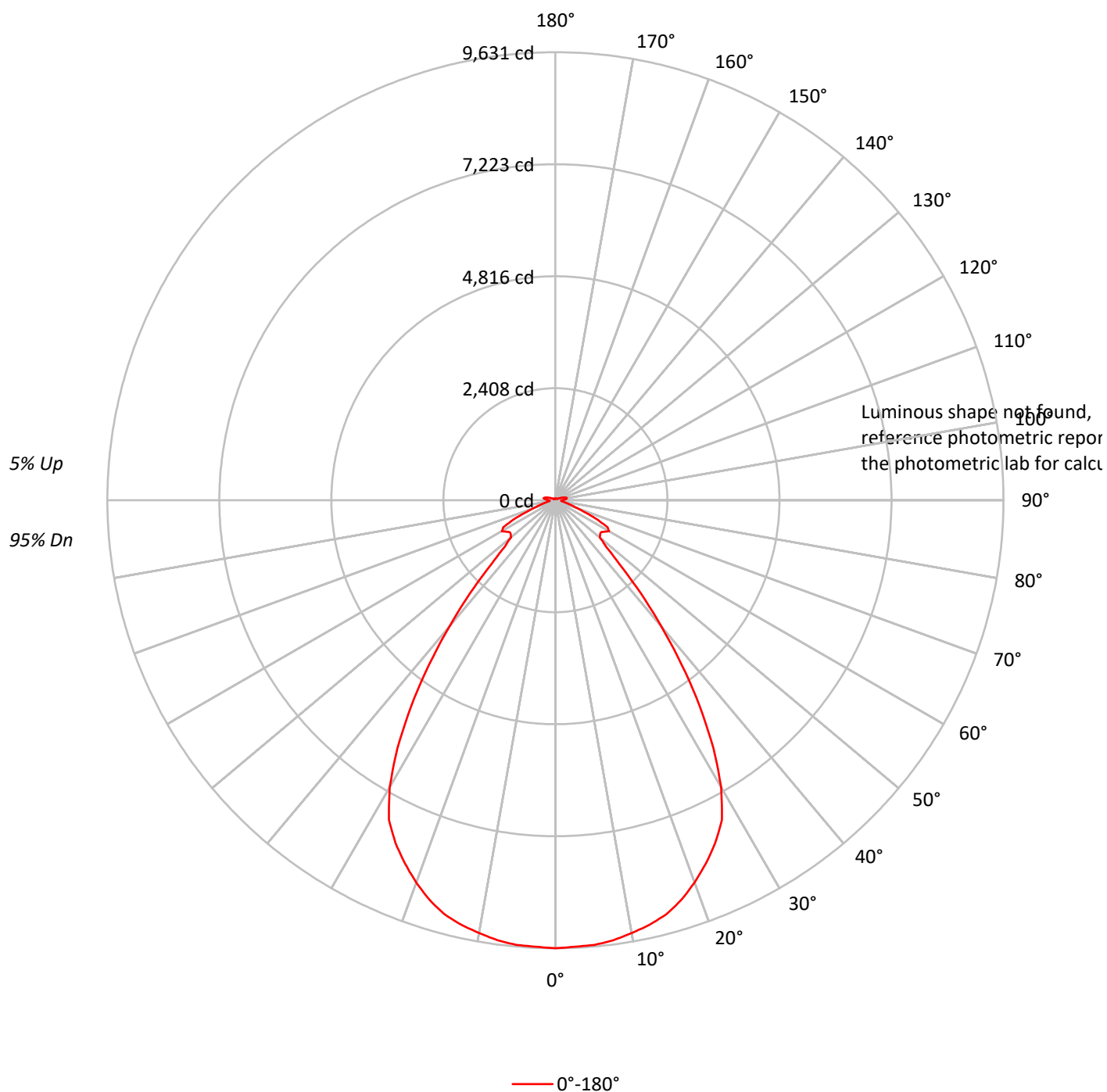
Lumens per Lamp: N/A
Luminaire Lumens: 15400.7 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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



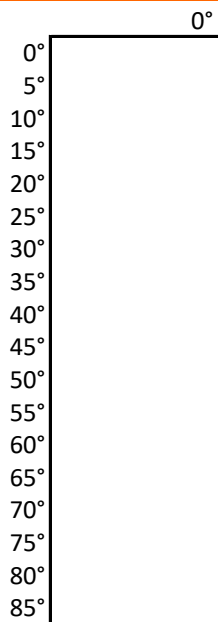
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		103	103	103		98	98	98
1	110	107	103	100	107	104	101	98		99	97	94		94	92	91		90	89	87
2	103	96	91	86	100	94	89	85		90	86	82		86	83	80		83	80	78
3	96	87	81	76	93	85	79	75		82	77	73		79	75	71		76	72	69
4	89	80	72	67	87	78	71	66		75	69	65		72	68	64		70	66	62
5	83	73	65	60	81	72	65	60		69	63	59		67	62	58		65	60	57
6	78	67	60	54	76	66	59	54		64	58	53		62	56	52		60	55	52
7	73	62	55	49	71	61	54	49		59	53	48		57	52	48		56	51	47
8	69	57	50	45	67	57	50	45		55	49	45		54	48	44		52	47	44
9	65	53	46	42	63	53	46	41		51	45	41		50	45	41		49	44	40
10	61	50	43	39	60	49	43	38		48	42	38		47	42	38		46	41	37

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	911.1	5.9
10°-20°	2588.3	16.8
20°-30°	3712.7	24.1
30°-40°	3333.4	21.6
40°-50°	1625.8	10.6
50°-60°	1110.8	7.2
60°-70°	962.0	6.2
70°-80°	303.5	2.0
80°-90°	142.5	0.9
90°-100°	221.7	1.4
100°-110°	229.2	1.5
110°-120°	113.8	0.7
120°-130°	49.8	0.3
130°-140°	35.4	0.2
140°-150°	27.9	0.2
150°-160°	19.6	0.1
160°-170°	10.5	0.1
170°-180°	2.7	0.0
0°-30°	7212.1	46.8
0°-40°	10545.6	68.5
0°-60°	13282.1	86.2
0°-90°	14690.1	95.4
90°-120°	564.7	3.7
90°-150°	677.7	4.4
90°-180°	711.0	4.6
0°-180°	15400.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9631	
5°	9596	911
15°	9215	2588
25°	8130	3713
35°	5402	3333
45°	1942	1626
55°	1196	1111
65°	1010	962
75°	270	303
85°	120	106
90°	144	80
95°	206	178
105°	220	229
115°	111	114
125°	53	50
135°	46	35
145°	44	28
155°	42	20
165°	37	11
175°	27	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9630.7
2.5°	9606.1
5°	9595.9
7.5°	9539.5
10°	9447.3
12.5°	9348.9
15°	9214.7
17.5°	9006.6
20°	8743.3
22.5°	8452.2
25°	8130.5
27.5°	7749.2
30°	7121.1
32.5°	6317.7
35°	5402.5
37.5°	4460.8
40°	3534.4
42.5°	2715.6
45°	1941.9
47.5°	1477.7
50°	1248.2
52.5°	1207.2
55°	1195.9
57.5°	1257.4
60°	1329.1
62.5°	1261.5
65°	1010.4
67.5°	716.3
70°	495.0
72.5°	358.7
75°	269.5
77.5°	199.8
80°	153.7
82.5°	128.1
85°	119.9
87.5°	126.0
90°	143.5
92.5°	173.2
95°	206.0
97.5°	236.7
100°	251.1
102.5°	242.9
105°	220.3
107.5°	193.7
110°	166.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	137.3
115°	110.7
117.5°	89.2
120°	71.7
122.5°	60.5
125°	53.3
127.5°	48.2
130°	46.1
132.5°	45.1
135°	46.1
137.5°	46.1
140°	45.1
142.5°	45.1
145°	44.1
147.5°	44.1
150°	43.0
152.5°	43.0
155°	42.0
157.5°	42.0
160°	41.0
162.5°	40.0
165°	36.9
167.5°	33.8
170°	30.7
172.5°	28.7
175°	26.6
177.5°	26.6
180°	25.6

(END OF REPORT)