

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: P1504477

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504477
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 (6500K_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

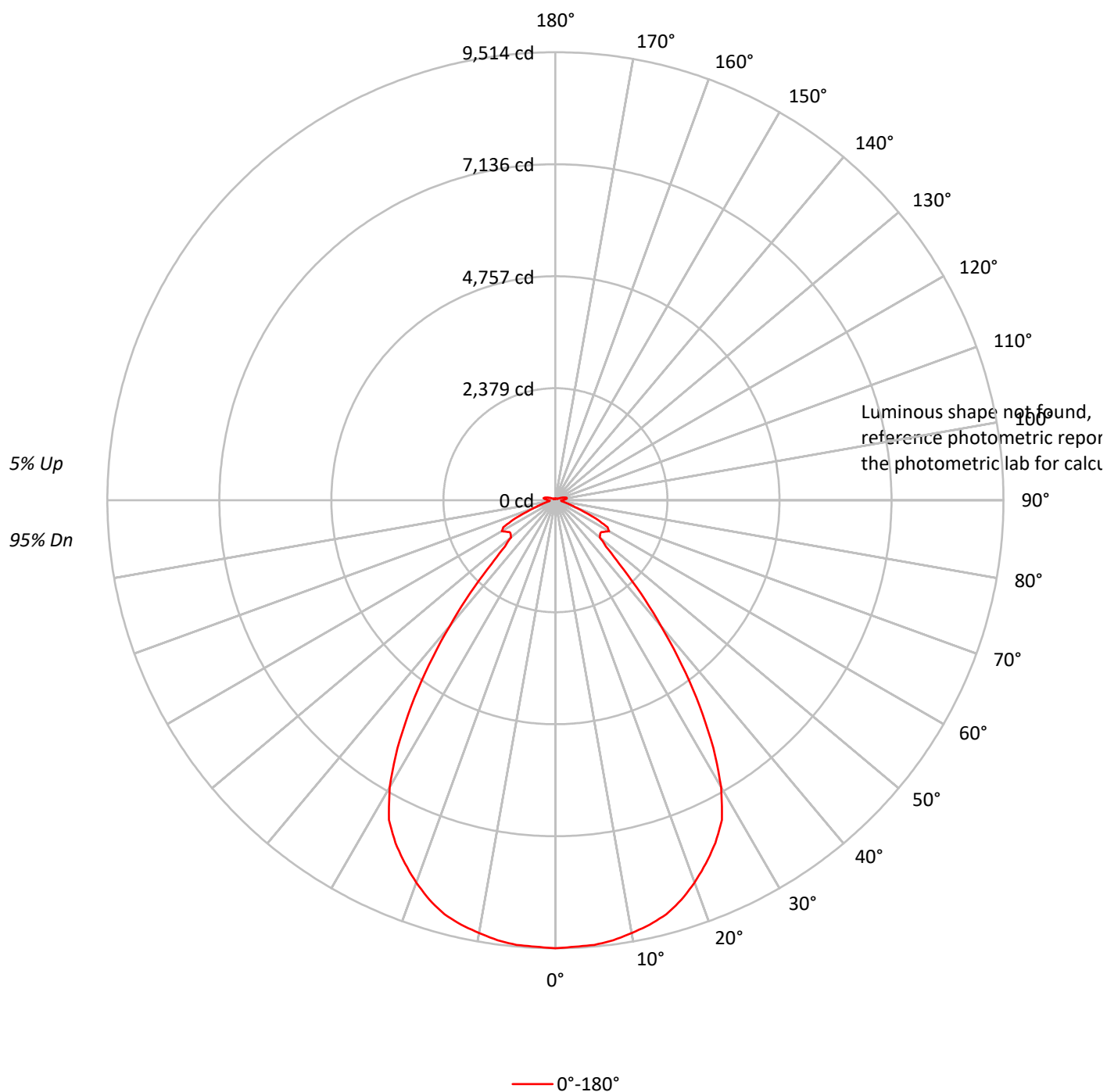
Lumens per Lamp: N/A
Luminaire Lumens: 15214.6 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.5
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



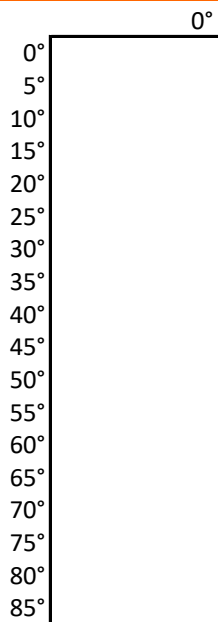
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
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: -

TEST NUMBER: P1504477

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	900.1	5.9
10°-20°	2557.1	16.8
20°-30°	3667.9	24.1
30°-40°	3293.2	21.6
40°-50°	1606.2	10.6
50°-60°	1097.4	7.2
60°-70°	950.4	6.2
70°-80°	299.8	2.0
80°-90°	140.8	0.9
90°-100°	219.0	1.4
100°-110°	226.5	1.5
110°-120°	112.4	0.7
120°-130°	49.1	0.3
130°-140°	35.0	0.2
140°-150°	27.5	0.2
150°-160°	19.4	0.1
160°-170°	10.4	0.1
170°-180°	2.7	0.0
0°-30°	7125.0	46.8
0°-40°	10418.2	68.5
0°-60°	13121.8	86.2
0°-90°	14512.7	95.4
90°-120°	557.8	3.7
90°-150°	669.5	4.4
90°-180°	702.0	4.6
0°-180°	15214.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9514	
5°	9480	900
15°	9103	2557
25°	8032	3668
35°	5337	3293
45°	1918	1606
55°	1182	1097
65°	998	950
75°	266	300
85°	118	104
90°	142	79
95°	204	176
105°	218	226
115°	109	112
125°	53	49
135°	46	35
145°	44	28
155°	42	19
165°	36	10
175°	26	3
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9514.4
2.5°	9490.1
5°	9480.0
7.5°	9424.3
10°	9333.2
12.5°	9236.0
15°	9103.4
17.5°	8897.9
20°	8637.7
22.5°	8350.2
25°	8032.3
27.5°	7655.7
30°	7035.1
32.5°	6241.4
35°	5337.3
37.5°	4406.9
40°	3491.7
42.5°	2682.8
45°	1918.5
47.5°	1459.9
50°	1233.1
52.5°	1192.6
55°	1181.5
57.5°	1242.2
60°	1313.1
62.5°	1246.3
65°	998.2
67.5°	707.7
70°	489.0
72.5°	354.3
75°	266.3
77.5°	197.4
80°	151.9
82.5°	126.5
85°	118.4
87.5°	124.5
90°	141.7
92.5°	171.1
95°	203.5
97.5°	233.9
100°	248.0
102.5°	239.9
105°	217.7
107.5°	191.3
110°	164.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	135.7
115°	109.3
117.5°	88.1
120°	70.9
122.5°	59.7
125°	52.6
127.5°	47.6
130°	45.6
132.5°	44.5
135°	45.6
137.5°	45.6
140°	44.5
142.5°	44.5
145°	43.5
147.5°	43.5
150°	42.5
152.5°	42.5
155°	41.5
157.5°	41.5
160°	40.5
162.5°	39.5
165°	36.4
167.5°	33.4
170°	30.4
172.5°	28.3
175°	26.3
177.5°	26.3
180°	25.3

(END OF REPORT)