

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: P1504443

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504443
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-45)
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 (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

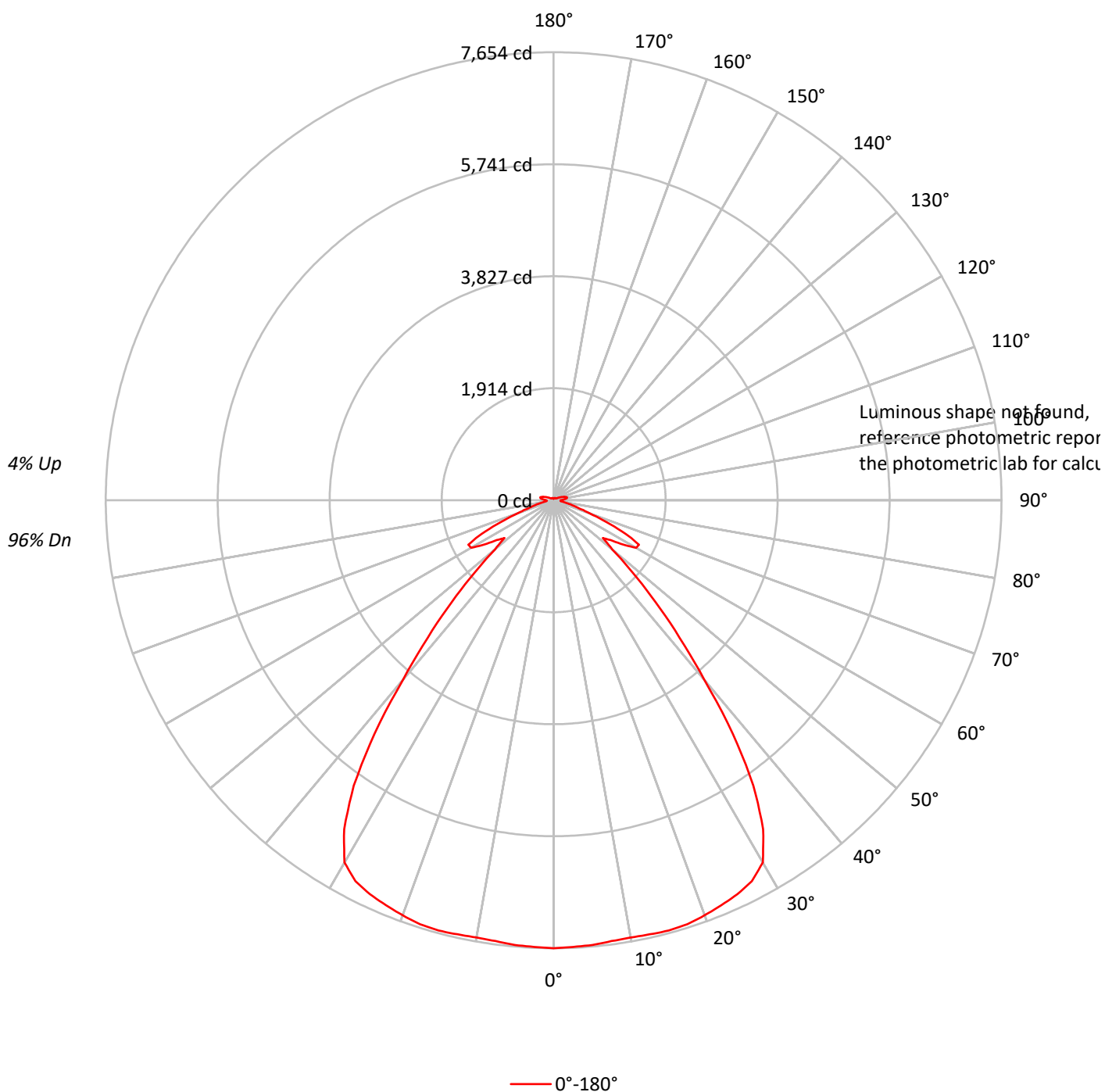
Lumens per Lamp: N/A
Luminaire Lumens: 15463.7 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.3
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





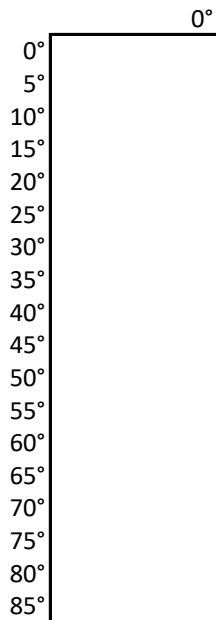
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	98	98	98	98	98			
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	86	86	86	86	84			
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	79	76	76	76	76	76	74			
3	94	86	79	73	92	84	77	72	80	75	71	77	73	69	74	70	67	67	67	67	67	65			
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	60	60	60	60	58			
5	82	70	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	54	54	54	54	52			
6	76	64	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	49	49	49	49	47			
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	44	44	44	44	42			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	40	40	40	40	39			
9	63	51	43	38	61	50	43	38	49	42	38	47	41	37	46	41	37	37	37	37	37	35			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	34	34	32			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.3	4.7
10°-20°	2151.6	13.9
20°-30°	3420.1	22.1
30°-40°	3608.3	23.3
40°-50°	1933.5	12.5
50°-60°	1152.4	7.5
60°-70°	1262.9	8.2
70°-80°	375.7	2.4
80°-90°	140.7	0.9
90°-100°	198.6	1.3
100°-110°	222.2	1.4
110°-120°	116.2	0.8
120°-130°	53.0	0.3
130°-140°	38.2	0.2
140°-150°	29.6	0.2
150°-160°	20.6	0.1
160°-170°	11.0	0.1
170°-180°	2.8	0.0
0°-30°	6298.0	40.7
0°-40°	9906.3	64.1
0°-60°	12992.2	84.0
0°-90°	14771.4	95.5
90°-120°	537.0	3.5
90°-150°	657.8	4.3
90°-180°	692.0	4.5
0°-180°	15463.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7654	
5°	7628	726
15°	7610	2152
25°	7426	3420
35°	5953	3608
45°	2454	1934
55°	1186	1152
65°	1362	1263
75°	328	376
85°	117	107
90°	128	72
95°	183	160
105°	216	222
115°	114	116
125°	56	53
135°	49	38
145°	46	30
155°	44	21
165°	39	11
175°	28	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7654.5
2.5°	7638.1
5°	7627.5
7.5°	7596.5
10°	7584.9
12.5°	7596.5
15°	7610.1
17.5°	7593.6
20°	7546.3
22.5°	7489.3
25°	7426.5
27.5°	7336.6
30°	7146.2
32.5°	6663.0
35°	5952.8
37.5°	5030.9
40°	4007.5
42.5°	3186.1
45°	2454.5
47.5°	1835.1
50°	1309.4
52.5°	1059.1
55°	1185.7
57.5°	1407.0
60°	1627.3
62.5°	1643.8
65°	1361.6
67.5°	972.2
70°	652.3
72.5°	452.3
75°	327.6
77.5°	235.8
80°	171.0
82.5°	132.4
85°	116.9
87.5°	116.9
90°	128.5
92.5°	151.7
95°	182.6
97.5°	213.6
100°	232.9
102.5°	231.9
105°	215.5
107.5°	192.3
110°	166.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	139.2
115°	114.0
117.5°	91.8
120°	75.4
122.5°	64.7
125°	56.0
127.5°	52.2
130°	49.3
132.5°	49.3
135°	49.3
137.5°	49.3
140°	49.3
142.5°	48.3
145°	46.4
147.5°	46.4
150°	45.4
152.5°	45.4
155°	44.5
157.5°	43.5
160°	42.5
162.5°	41.6
165°	38.7
167.5°	35.8
170°	32.9
172.5°	30.0
175°	28.0
177.5°	27.1
180°	26.1

(END OF REPORT)