

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: P1504461

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (4000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504461
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 (4000K_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

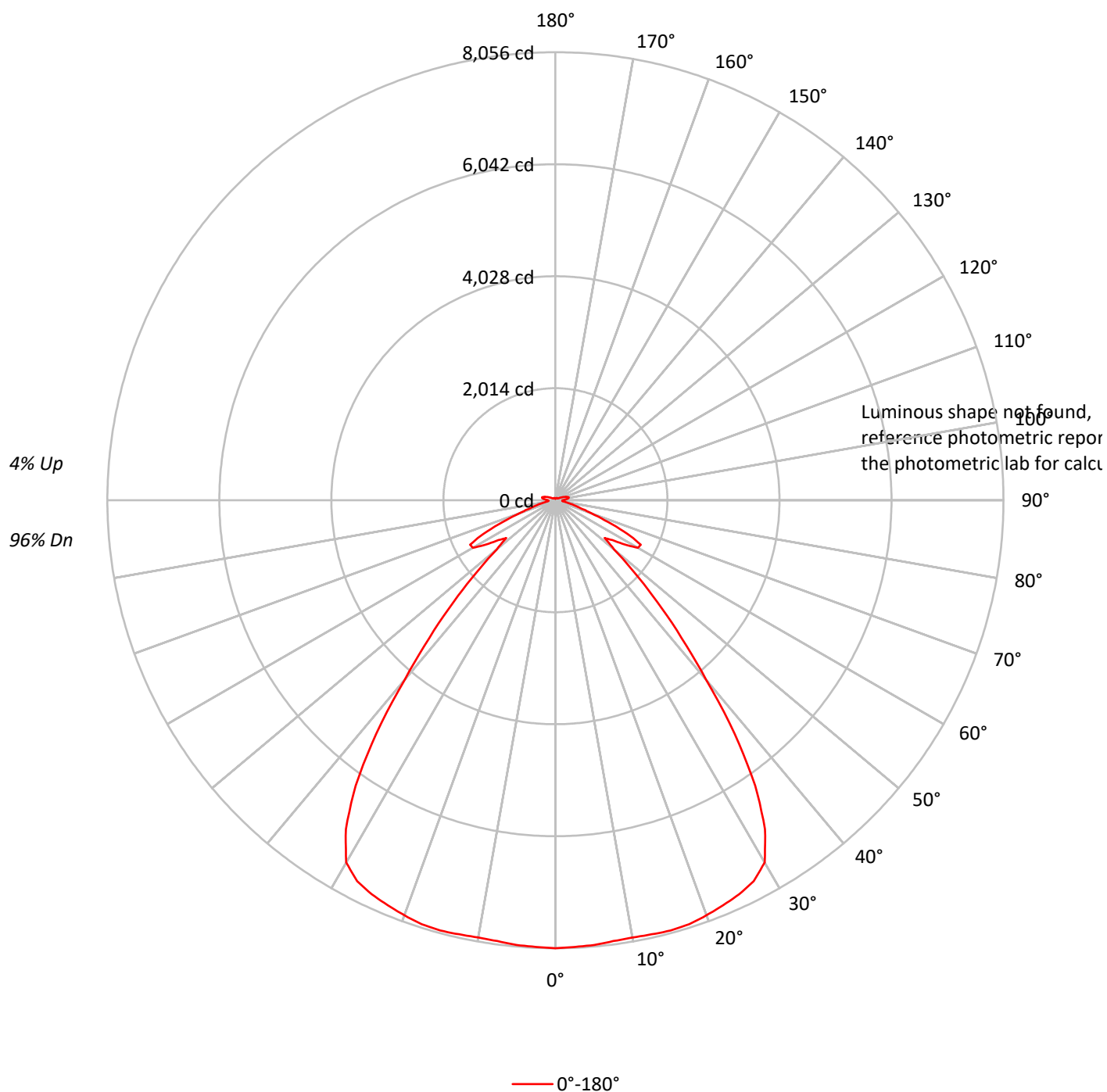
Lumens per Lamp: N/A
Luminaire Lumens: 16275.6 lumens
Efficiency: N/A
Efficacy: 163.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





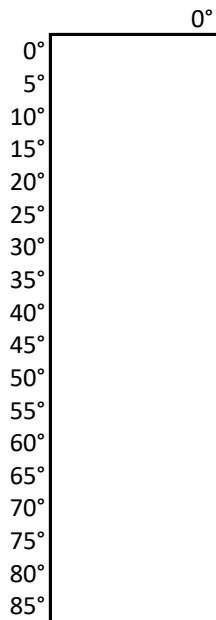
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	74	74			
3	94	86	79	73	92	84	77	72	80	75	71	77	73	69	74	70	67	67	67	67	65	65			
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	60	60	60	58	58			
5	82	70	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	54	54	54	52	52			
6	76	64	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	49	49	49	47	47			
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	44	44	44	42	42			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	40	40	40	39	39			
9	63	51	43	38	61	50	43	38	49	42	38	47	41	37	46	41	37	37	37	37	35	35			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	34	32	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°	764.4	4.7
10°-20°	2264.5	13.9
20°-30°	3599.7	22.1
30°-40°	3797.7	23.3
40°-50°	2035.1	12.5
50°-60°	1212.9	7.5
60°-70°	1329.2	8.2
70°-80°	395.4	2.4
80°-90°	148.1	0.9
90°-100°	209.0	1.3
100°-110°	233.9	1.4
110°-120°	122.3	0.8
120°-130°	55.8	0.3
130°-140°	40.2	0.2
140°-150°	31.2	0.2
150°-160°	21.7	0.1
160°-170°	11.6	0.1
170°-180°	3.0	0.0
0°-30°	6628.7	40.7
0°-40°	10426.4	64.1
0°-60°	13674.3	84.0
0°-90°	15547.0	95.5
90°-120°	565.2	3.5
90°-150°	692.4	4.3
90°-180°	729.0	4.5
0°-180°	16275.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8056	
5°	8028	764
15°	8010	2265
25°	7816	3600
35°	6265	3798
45°	2583	2035
55°	1248	1213
65°	1433	1329
75°	345	395
85°	123	113
90°	135	76
95°	192	169
105°	227	234
115°	120	122
125°	59	56
135°	52	40
145°	49	31
155°	47	22
165°	41	12
175°	30	3
180°	28	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8056.4
2.5°	8039.1
5°	8027.9
7.5°	7995.4
10°	7983.2
12.5°	7995.4
15°	8009.6
17.5°	7992.3
20°	7942.5
22.5°	7882.5
25°	7816.4
27.5°	7721.8
30°	7521.4
32.5°	7012.9
35°	6265.3
37.5°	5295.0
40°	4217.9
42.5°	3353.4
45°	2583.4
47.5°	1931.5
50°	1378.2
52.5°	1114.7
55°	1248.0
57.5°	1480.9
60°	1712.8
62.5°	1730.1
65°	1433.1
67.5°	1023.2
70°	686.5
72.5°	476.0
75°	344.8
77.5°	248.2
80°	180.0
82.5°	139.3
85°	123.1
87.5°	123.1
90°	135.3
92.5°	159.7
95°	192.2
97.5°	224.8
100°	245.1
102.5°	244.1
105°	226.8
107.5°	202.4
110°	174.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	146.5
115°	120.0
117.5°	96.6
120°	79.3
122.5°	68.1
125°	59.0
127.5°	54.9
130°	51.9
132.5°	51.9
135°	51.9
137.5°	51.9
140°	51.9
142.5°	50.9
145°	48.8
147.5°	48.8
150°	47.8
152.5°	47.8
155°	46.8
157.5°	45.8
160°	44.8
162.5°	43.7
165°	40.7
167.5°	37.6
170°	34.6
172.5°	31.5
175°	29.5
177.5°	28.5
180°	27.5

(END OF REPORT)