

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1221234

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221234
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

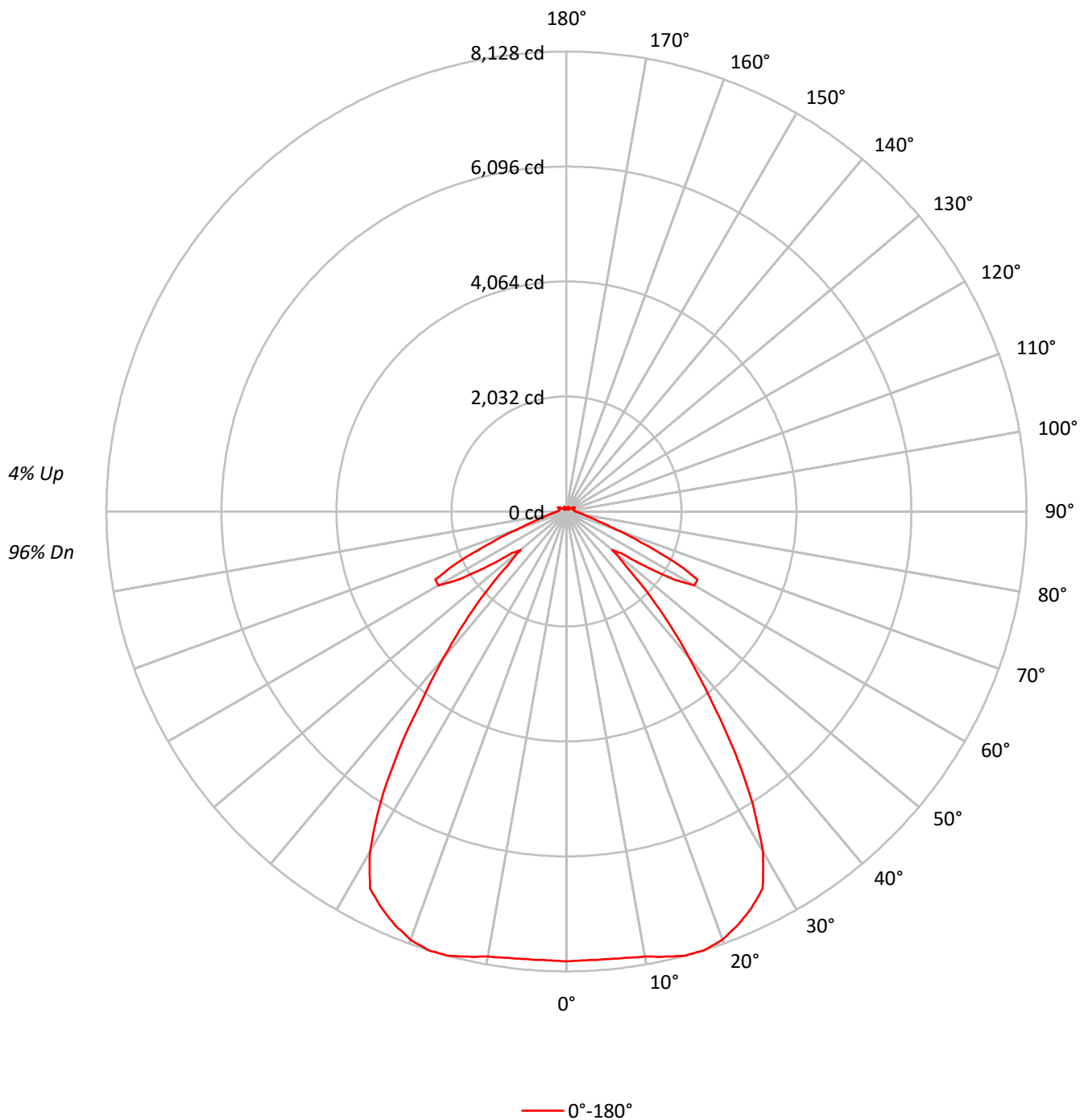
Lumens per Lamp: N/A
Luminaire Lumens: 16336.9 lumens
Efficiency: N/A
Efficacy: 165.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 98.8
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				0
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	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85
2	101	93	87	82	98	91	86	81	87	82	79	83	79	76	80	77	74
3	93	83	76	71	90	82	75	70	78	73	68	75	70	66	72	68	65
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57
5	80	68	60	54	78	67	59	54	65	58	53	62	57	52	60	55	51
6	74	62	54	49	72	61	54	48	59	53	48	57	51	47	55	50	46
7	70	57	49	44	68	56	49	44	55	48	43	53	47	42	51	46	42
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38
9	61	49	42	37	60	48	41	36	47	41	36	46	40	36	44	39	35
10	58	46	39	34	57	45	38	34	44	38	33	43	37	33	42	36	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43465
5°	41644
10°	40510
15°	40215
20°	39194
25°	37326
30°	33485
35°	25144
40°	16611
45°	10114
50°	5472
55°	8973
60°	14805
65°	12585
70°	6036
75°	3258
80°	2324
85°	1897

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 62.5°
Luminance: 15226 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.7	4.7
10°-20°	2292.8	14.0
20°-30°	3534.0	21.6
30°-40°	3195.1	19.6
40°-50°	1583.7	9.7
50°-60°	1564.9	9.6
60°-70°	1949.1	11.9
70°-80°	546.7	3.3
80°-90°	240.5	1.5
90°-100°	153.6	0.9
100°-110°	135.9	0.8
110°-120°	148.7	0.9
120°-130°	92.9	0.6
130°-140°	36.7	0.2
140°-150°	39.2	0.2
150°-160°	39.5	0.2
160°-170°	19.8	0.1
170°-180°	4.2	0.0
0°-30°	6586.4	40.3
0°-40°	9781.6	59.9
0°-60°	12930.1	79.1
0°-90°	15666.4	95.9
90°-120°	438.1	2.7
90°-150°	606.9	3.7
90°-180°	671.0	4.1
0°-180°	16336.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7951	
5°	7944	760
15°	8126	2293
25°	7735	3534
35°	5182	3195
45°	2010	1584
55°	1662	1565
65°	2091	1949
75°	463	547
85°	216	193
90°	158	89
95°	137	112
105°	134	136
115°	166	149
125°	101	93
135°	44	37
145°	63	39
155°	87	40
165°	70	20
175°	41	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7950.6
2.5°	7938.3
5°	7944.5
7.5°	7958.8
10°	7987.4
12.5°	8059.9
15°	8126.3
17.5°	8128.4
20°	8051.7
22.5°	7911.8
25°	7735.0
27.5°	7509.2
30°	6946.3
32.5°	6121.8
35°	5181.9
37.5°	4169.4
40°	3374.6
42.5°	2670.6
45°	2009.6
47.5°	1416.0
50°	1054.4
52.5°	1204.5
55°	1662.3
57.5°	2210.9
60°	2611.4
62.5°	2610.4
65°	2091.4
67.5°	1429.3
70°	933.8
72.5°	639.6
75°	462.8
77.5°	357.6
80°	298.3
82.5°	253.4
85°	215.6
87.5°	184.9
90°	158.4
92.5°	145.1
95°	136.9
97.5°	133.8
100°	135.9
102.5°	136.9
105°	133.8
107.5°	118.5
110°	112.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	137.9
115°	166.5
117.5°	165.5
120°	148.1
122.5°	125.7
125°	101.1
127.5°	78.7
130°	62.3
132.5°	51.1
135°	43.9
137.5°	40.9
140°	42.9
142.5°	50.1
145°	63.3
147.5°	76.6
150°	83.8
152.5°	86.8
155°	86.8
157.5°	84.8
160°	81.7
162.5°	76.6
165°	69.5
167.5°	60.3
170°	52.1
172.5°	45.0
175°	40.9
177.5°	38.8
180°	37.8

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	20.01	21.35	20.44	21.76	22.18	20.01	21.35	20.44	21.76	22.18
	3H	21.13	22.35	21.58	22.76	23.23	21.13	22.35	21.58	22.76	23.23
	4H	21.24	22.38	21.71	22.81	23.29	21.24	22.38	21.71	22.81	23.29
	6H	21.28	22.33	21.76	22.78	23.28	21.28	22.33	21.76	22.78	23.28
	8H	21.29	22.29	21.78	22.76	23.26	21.29	22.29	21.78	22.76	23.26
	12H	21.30	22.25	21.80	22.72	23.25	21.30	22.25	21.80	22.72	23.25
4H	2H	20.79	21.93	21.26	22.36	22.84	20.79	21.93	21.26	22.36	22.84
	3H	21.82	22.78	22.30	23.26	23.76	21.82	22.78	22.30	23.26	23.76
	4H	21.94	22.81	22.45	23.30	23.84	21.94	22.81	22.45	23.30	23.84
	6H	22.02	22.77	22.55	23.29	23.85	22.02	22.77	22.55	23.29	23.85
	8H	22.05	22.74	22.58	23.26	23.83	22.05	22.74	22.58	23.26	23.83
	12H	22.07	22.69	22.63	23.25	23.81	22.07	22.69	22.63	23.25	23.81
8H	4H	21.93	22.63	22.46	23.15	23.71	21.93	22.63	22.46	23.15	23.71
	6H	22.04	22.61	22.61	23.18	23.75	22.04	22.61	22.61	23.18	23.75
	8H	22.10	22.60	22.68	23.18	23.77	22.10	22.60	22.68	23.18	23.77
	12H	22.17	22.61	22.75	23.17	23.83	22.17	22.61	22.75	23.17	23.83
12H	4H	21.91	22.52	22.46	23.08	23.64	21.91	22.52	22.46	23.08	23.64
	6H	22.02	22.52	22.60	23.11	23.69	22.02	22.52	22.60	23.11	23.69
	8H	22.11	22.54	22.69	23.11	23.77	22.11	22.54	22.69	23.11	23.77