

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: P1221235

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221235
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-15)
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_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

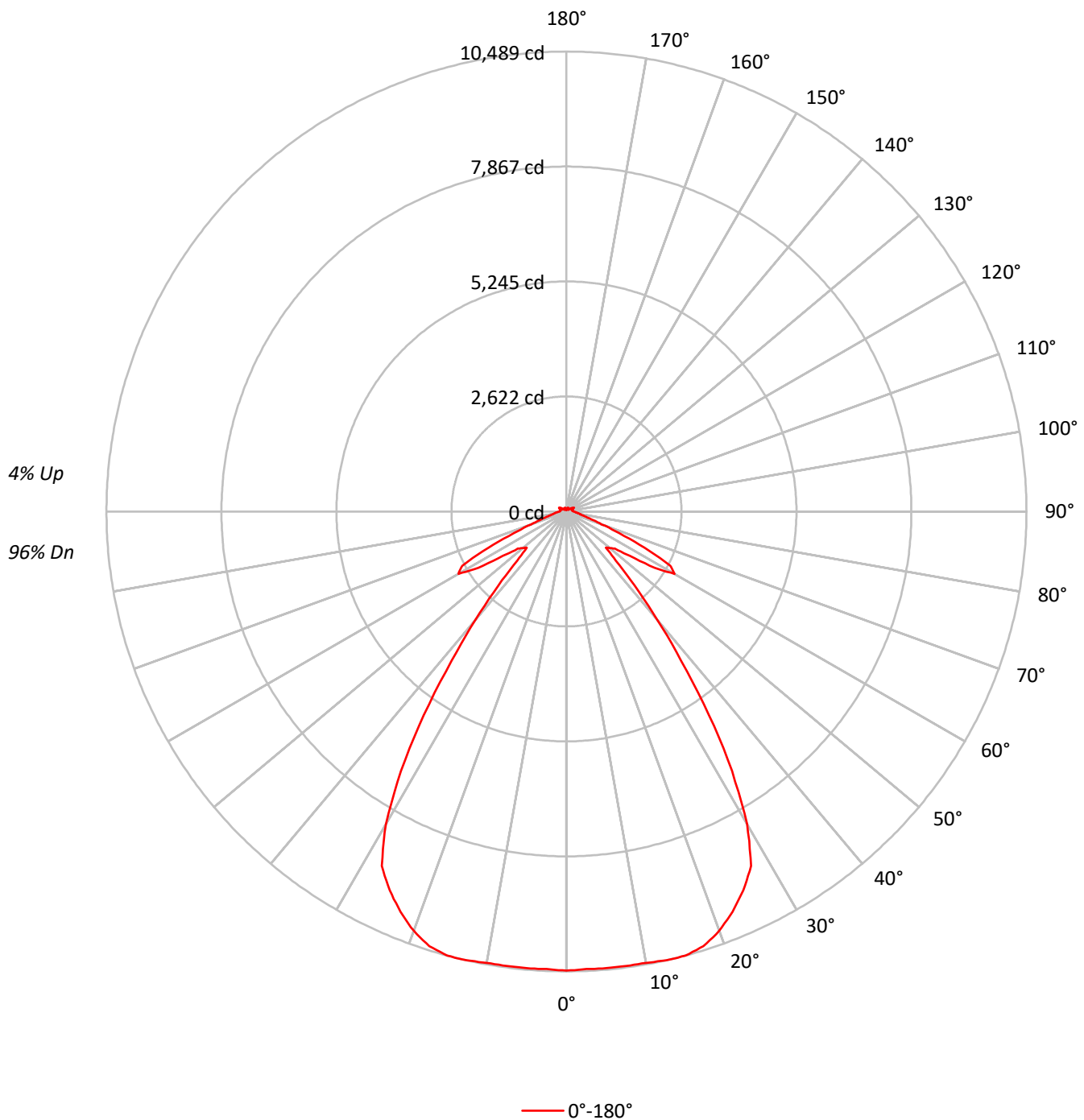
Lumens per Lamp: N/A
Luminaire Lumens: 18315.2 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 118.9
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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	84		
2	101	95	89	84	99	92	87	83	88	84	80	85	81	78	81	78	76	73		
3	94	85	78	73	91	83	77	72	80	75	70	77	72	68	74	70	67	65		
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	58		
5	81	70	63	57	79	69	62	56	67	60	56	64	59	55	62	58	54	52		
6	76	65	57	51	74	64	56	51	61	55	50	59	54	50	58	53	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	43		
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	39		
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	36		
10	60	48	41	36	59	47	41	36	46	40	36	45	40	36	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57248
5°	54810
10°	53007
15°	51906
20°	49562
25°	46019
30°	39722
35°	27502
40°	15825
45°	7985
50°	6721
55°	9564
60°	16134
65°	11812
70°	5537
75°	3053
80°	2281
85°	1893

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 16134 cd/sgm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	998.0	5.4
10°-20°	2950.8	16.1
20°-30°	4344.3	23.7
30°-40°	3503.3	19.1
40°-50°	1403.2	7.7
50°-60°	1724.7	9.4
60°-70°	1916.6	10.5
70°-80°	512.0	2.8
80°-90°	239.0	1.3
90°-100°	158.1	0.9
100°-110°	140.3	0.8
110°-120°	168.4	0.9
120°-130°	104.7	0.6
130°-140°	41.9	0.2
140°-150°	43.0	0.2
150°-160°	41.9	0.2
160°-170°	20.9	0.1
170°-180°	4.2	0.0
0°-30°	8293.1	45.3
0°-40°	11796.3	64.4
0°-60°	14924.2	81.5
0°-90°	17591.8	96.1
90°-120°	466.7	2.5
90°-150°	656.3	3.6
90°-180°	723.0	3.9
0°-180°	18315.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10472	
5°	10456	998
15°	10489	2951
25°	9536	4344
35°	5668	3503
45°	1587	1403
55°	1772	1725
65°	1963	1917
75°	434	512
85°	215	192
90°	159	89
95°	141	116
105°	136	140
115°	191	168
125°	114	105
135°	50	42
145°	70	43
155°	92	42
165°	73	21
175°	41	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10471.8
2.5°	10447.9
5°	10456.3
7.5°	10456.3
10°	10451.5
12.5°	10486.2
15°	10488.6
17.5°	10395.4
20°	10181.5
22.5°	9885.2
25°	9536.4
27.5°	9118.2
30°	8240.1
32.5°	7022.6
35°	5667.8
37.5°	4293.9
40°	3215.0
42.5°	2295.1
45°	1586.6
47.5°	1221.0
50°	1295.1
52.5°	1393.1
55°	1771.8
57.5°	2388.3
60°	2845.9
62.5°	2671.4
65°	1962.9
67.5°	1296.3
70°	856.6
72.5°	593.8
75°	433.7
77.5°	341.7
80°	292.7
82.5°	252.1
85°	215.1
87.5°	184.0
90°	158.9
92.5°	148.1
95°	141.0
97.5°	139.8
100°	142.2
102.5°	143.4
105°	136.2
107.5°	119.5
110°	119.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	155.3
115°	191.2
117.5°	190.0
120°	167.3
122.5°	141.0
125°	113.5
127.5°	89.6
130°	70.5
132.5°	58.5
135°	50.2
137.5°	46.6
140°	49.0
142.5°	57.3
145°	70.5
147.5°	81.2
150°	87.2
152.5°	90.8
155°	92.0
157.5°	92.0
160°	88.4
162.5°	82.4
165°	72.9
167.5°	62.1
170°	51.4
172.5°	44.2
175°	40.6
177.5°	38.2
180°	37.0

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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	20.23	21.52	20.66	21.92	22.34	20.23	21.52	20.66	21.92	22.34
	3H	21.02	22.19	21.47	22.60	23.06	21.02	22.19	21.47	22.60	23.06
	4H	21.09	22.18	21.56	22.61	23.09	21.09	22.18	21.56	22.61	23.09
	6H	21.11	22.12	21.59	22.57	23.06	21.11	22.12	21.59	22.57	23.06
	8H	21.12	22.07	21.61	22.54	23.04	21.12	22.07	21.61	22.54	23.04
	12H	21.12	22.03	21.62	22.50	23.02	21.12	22.03	21.62	22.50	23.02
4H	2H	20.79	21.88	21.26	22.31	22.79	20.79	21.88	21.26	22.31	22.79
	3H	21.56	22.48	22.04	22.96	23.45	21.56	22.48	22.04	22.96	23.45
	4H	21.65	22.47	22.15	22.97	23.50	21.65	22.47	22.15	22.97	23.50
	6H	21.71	22.42	22.24	22.94	23.50	21.71	22.42	22.24	22.94	23.50
	8H	21.73	22.39	22.26	22.91	23.47	21.73	22.39	22.26	22.91	23.47
	12H	21.75	22.34	22.31	22.89	23.46	21.75	22.34	22.31	22.89	23.46
8H	4H	21.62	22.28	22.15	22.80	23.36	21.62	22.28	22.15	22.80	23.36
	6H	21.71	22.25	22.28	22.81	23.38	21.71	22.25	22.28	22.81	23.38
	8H	21.76	22.23	22.34	22.81	23.40	21.76	22.23	22.34	22.81	23.40
	12H	21.83	22.24	22.41	22.80	23.46	21.83	22.24	22.41	22.80	23.46
12H	4H	21.59	22.17	22.14	22.72	23.29	21.59	22.17	22.14	22.72	23.29
	6H	21.68	22.16	22.27	22.74	23.32	21.68	22.16	22.27	22.74	23.32
	8H	21.76	22.17	22.34	22.74	23.39	21.76	22.17	22.34	22.74	23.39