

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: P1221216

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3000K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221216
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 (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

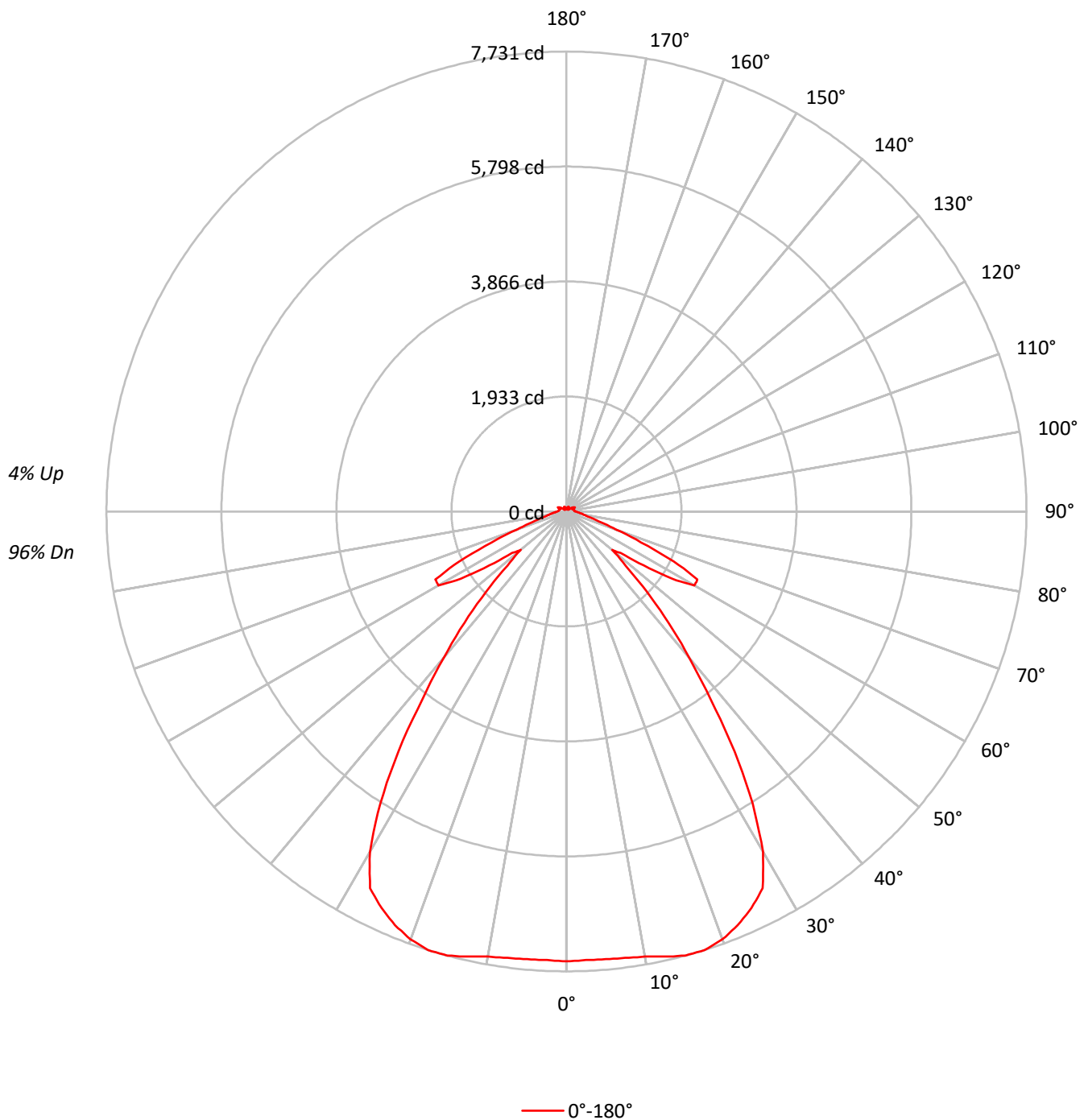
Lumens per Lamp: N/A
Luminaire Lumens: 15537.6 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.5
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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83		
2	101	93	87	82	98	91	86	81	87	82	79	83	79	76	80	77	74	72		
3	93	83	76	71	90	82	75	70	78	73	68	75	70	66	72	68	65	63		
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57	55		
5	80	68	60	54	78	67	59	54	65	58	53	62	57	52	60	55	51	49		
6	74	62	54	49	72	61	54	48	59	53	48	57	51	47	55	50	46	44		
7	70	57	49	44	68	56	49	44	55	48	43	53	47	42	51	46	42	40		
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37		
9	61	49	42	37	60	48	41	36	47	41	36	46	40	36	44	39	35	34		
10	58	46	39	34	57	45	38	34	44	38	33	43	37	33	42	36	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41338
5°	39606
10°	38528
15°	38248
20°	37277
25°	35500
30°	31846
35°	23914
40°	15798
45°	9620
50°	5204
55°	8534
60°	14080
65°	11969
70°	5740
75°	3099
80°	2211
85°	1804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 62.5°

Luminance: 14480 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.5	4.7
10°-20°	2180.6	14.0
20°-30°	3361.1	21.6
30°-40°	3038.8	19.6
40°-50°	1506.2	9.7
50°-60°	1488.3	9.6
60°-70°	1853.7	11.9
70°-80°	519.9	3.3
80°-90°	228.7	1.5
90°-100°	146.1	0.9
100°-110°	129.2	0.8
110°-120°	141.4	0.9
120°-130°	88.3	0.6
130°-140°	34.9	0.2
140°-150°	37.3	0.2
150°-160°	37.6	0.2
160°-170°	18.8	0.1
170°-180°	4.0	0.0
0°-30°	6264.2	40.3
0°-40°	9303.0	59.9
0°-60°	12297.5	79.1
0°-90°	14899.8	95.9
90°-120°	416.7	2.7
90°-150°	577.3	3.7
90°-180°	638.0	4.1
0°-180°	15537.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7562	
5°	7556	723
15°	7729	2181
25°	7357	3361
35°	4928	3039
45°	1911	1506
55°	1581	1488
65°	1989	1854
75°	440	520
85°	205	184
90°	151	84
95°	130	107
105°	127	129
115°	158	141
125°	96	88
135°	42	35
145°	60	37
155°	83	38
165°	66	19
175°	39	4
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7561.6
2.5°	7549.9
5°	7555.8
7.5°	7569.4
10°	7596.6
12.5°	7665.6
15°	7728.7
17.5°	7730.7
20°	7657.8
22.5°	7524.7
25°	7356.6
27.5°	7141.8
30°	6606.4
32.5°	5822.3
35°	4928.4
37.5°	3965.4
40°	3209.5
42.5°	2540.0
45°	1911.3
47.5°	1346.7
50°	1002.8
52.5°	1145.6
55°	1580.9
57.5°	2102.7
60°	2483.6
62.5°	2482.6
65°	1989.0
67.5°	1359.4
70°	888.1
72.5°	608.3
75°	440.2
77.5°	340.1
80°	283.7
82.5°	241.0
85°	205.0
87.5°	175.9
90°	150.6
92.5°	138.0
95°	130.2
97.5°	127.3
100°	129.2
102.5°	130.2
105°	127.3
107.5°	112.7
110°	106.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	131.2
115°	158.4
117.5°	157.4
120°	140.9
122.5°	119.5
125°	96.2
127.5°	74.8
130°	59.3
132.5°	48.6
135°	41.8
137.5°	38.9
140°	40.8
142.5°	47.6
145°	60.2
147.5°	72.9
150°	79.7
152.5°	82.6
155°	82.6
157.5°	80.6
160°	77.7
162.5°	72.9
165°	66.1
167.5°	57.3
170°	49.6
172.5°	42.8
175°	38.9
177.5°	36.9
180°	36.0

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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	19.83	21.18	20.27	21.58	22.00	19.83	21.18	20.27	21.58	22.00
	3H	20.96	22.17	21.41	22.59	23.05	20.96	22.17	21.41	22.59	23.05
	4H	21.06	22.21	21.53	22.64	23.12	21.06	22.21	21.53	22.64	23.12
	6H	21.10	22.16	21.59	22.61	23.10	21.10	22.16	21.59	22.61	23.10
	8H	21.11	22.12	21.61	22.59	23.09	21.11	22.12	21.61	22.59	23.09
	12H	21.12	22.08	21.62	22.54	23.07	21.12	22.08	21.62	22.54	23.07
4H	2H	20.61	21.75	21.08	22.19	22.67	20.61	21.75	21.08	22.19	22.67
	3H	21.65	22.60	22.13	23.09	23.59	21.65	22.60	22.13	23.09	23.59
	4H	21.77	22.63	22.27	23.13	23.66	21.77	22.63	22.27	23.13	23.66
	6H	21.85	22.60	22.38	23.12	23.67	21.85	22.60	22.38	23.12	23.67
	8H	21.87	22.57	22.40	23.09	23.65	21.87	22.57	22.40	23.09	23.65
	12H	21.90	22.52	22.45	23.07	23.64	21.90	22.52	22.45	23.07	23.64
8H	4H	21.76	22.45	22.29	22.97	23.54	21.76	22.45	22.29	22.97	23.54
	6H	21.87	22.44	22.44	23.00	23.58	21.87	22.44	22.44	23.00	23.58
	8H	21.92	22.42	22.51	23.01	23.59	21.92	22.42	22.51	23.01	23.59
	12H	22.00	22.43	22.58	23.00	23.65	22.00	22.43	22.58	23.00	23.65
12H	4H	21.73	22.35	22.28	22.90	23.47	21.73	22.35	22.28	22.90	23.47
	6H	21.85	22.35	22.43	22.93	23.52	21.85	22.35	22.43	22.93	23.52
	8H	21.93	22.37	22.51	22.93	23.59	21.93	22.37	22.51	22.93	23.59