

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: P1221252

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (6500K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221252
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 (6500K_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

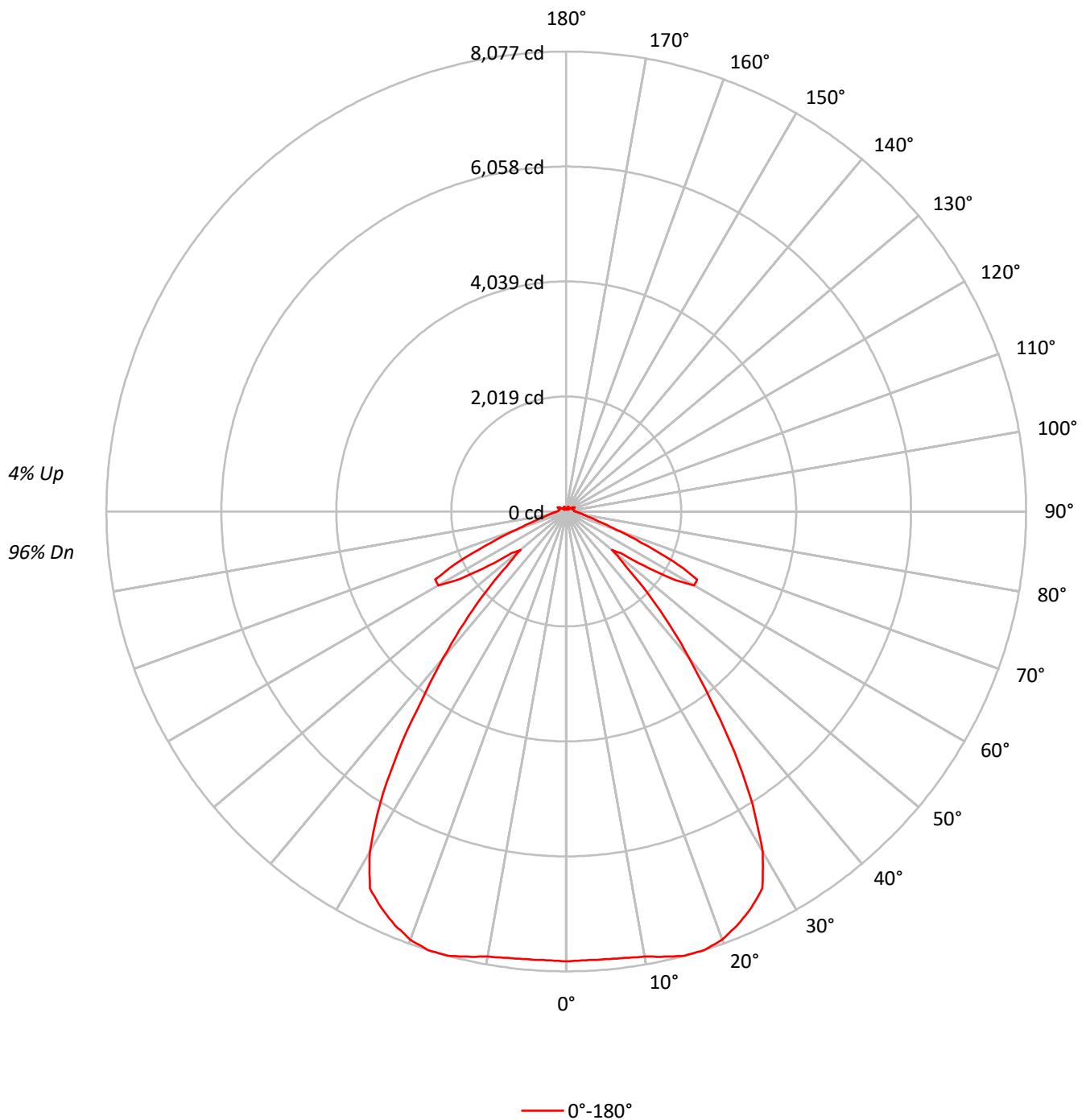
Lumens per Lamp: N/A
Luminaire Lumens: 16234.3 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.9
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	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°	43191
5°	41382
10°	40255
15°	39963
20°	38948
25°	37092
30°	33275
35°	24986
40°	16506
45°	10051
50°	5437
55°	8917
60°	14712
65°	12506
70°	5998
75°	3237
80°	2310
85°	1885

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 62.5°

Luminance: 15130 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.9	4.7
10°-20°	2278.4	14.0
20°-30°	3511.8	21.6
30°-40°	3175.1	19.6
40°-50°	1573.8	9.7
50°-60°	1555.0	9.6
60°-70°	1936.8	11.9
70°-80°	543.2	3.3
80°-90°	239.0	1.5
90°-100°	152.6	0.9
100°-110°	135.0	0.8
110°-120°	147.8	0.9
120°-130°	92.3	0.6
130°-140°	36.5	0.2
140°-150°	39.0	0.2
150°-160°	39.3	0.2
160°-170°	19.7	0.1
170°-180°	4.2	0.0
0°-30°	6545.1	40.3
0°-40°	9720.1	59.9
0°-60°	12848.9	79.1
0°-90°	15567.9	95.9
90°-120°	435.4	2.7
90°-150°	603.2	3.7
90°-180°	666.0	4.1
0°-180°	16234.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7901	
5°	7894	755
15°	8075	2278
25°	7686	3512
35°	5149	3175
45°	1997	1574
55°	1652	1555
65°	2078	1937
75°	460	543
85°	214	192
90°	157	88
95°	136	111
105°	133	135
115°	166	148
125°	100	92
135°	44	36
145°	63	39
155°	86	39
165°	69	20
175°	41	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7900.6
2.5°	7888.5
5°	7894.5
7.5°	7908.8
10°	7937.2
12.5°	8009.3
15°	8075.3
17.5°	8077.3
20°	8001.1
22.5°	7862.1
25°	7686.4
27.5°	7462.1
30°	6902.7
32.5°	6083.3
35°	5149.3
37.5°	4143.2
40°	3353.4
42.5°	2653.9
45°	1997.0
47.5°	1407.1
50°	1047.7
52.5°	1197.0
55°	1651.8
57.5°	2197.0
60°	2595.0
62.5°	2594.0
65°	2078.2
67.5°	1420.3
70°	927.9
72.5°	635.5
75°	459.9
77.5°	355.3
80°	296.5
82.5°	251.8
85°	214.2
87.5°	183.8
90°	157.4
92.5°	144.2
95°	136.0
97.5°	133.0
100°	135.0
102.5°	136.0
105°	133.0
107.5°	117.8
110°	111.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	137.1
115°	165.5
117.5°	164.5
120°	147.2
122.5°	124.9
125°	100.5
127.5°	78.2
130°	61.9
132.5°	50.8
135°	43.7
137.5°	40.6
140°	42.6
142.5°	49.7
145°	62.9
147.5°	76.1
150°	83.3
152.5°	86.3
155°	86.3
157.5°	84.3
160°	81.2
162.5°	76.1
165°	69.0
167.5°	59.9
170°	51.8
172.5°	44.7
175°	40.6
177.5°	38.6
180°	37.6

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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	19.99	21.33	20.42	21.73	22.15	19.99	21.33	20.42	21.73	22.15
	3H	21.11	22.33	21.56	22.74	23.21	21.11	22.33	21.56	22.74	23.21
	4H	21.22	22.36	21.69	22.79	23.27	21.22	22.36	21.69	22.79	23.27
	6H	21.26	22.31	21.74	22.76	23.25	21.26	22.31	21.74	22.76	23.25
	8H	21.27	22.27	21.76	22.74	23.24	21.27	22.27	21.76	22.74	23.24
	12H	21.27	22.23	21.77	22.70	23.23	21.27	22.23	21.77	22.70	23.23
4H	2H	20.76	21.91	21.23	22.34	22.82	20.76	21.91	21.23	22.34	22.82
	3H	21.80	22.76	22.28	23.24	23.74	21.80	22.76	22.28	23.24	23.74
	4H	21.92	22.78	22.42	23.28	23.82	21.92	22.78	22.42	23.28	23.82
	6H	22.00	22.75	22.53	23.27	23.83	22.00	22.75	22.53	23.27	23.83
	8H	22.02	22.72	22.56	23.24	23.80	22.02	22.72	22.56	23.24	23.80
	12H	22.05	22.67	22.60	23.22	23.79	22.05	22.67	22.60	23.22	23.79
8H	4H	21.91	22.60	22.44	23.13	23.69	21.91	22.60	22.44	23.13	23.69
	6H	22.02	22.59	22.59	23.16	23.73	22.02	22.59	22.59	23.16	23.73
	8H	22.08	22.58	22.66	23.16	23.74	22.08	22.58	22.66	23.16	23.74
	12H	22.15	22.58	22.73	23.15	23.81	22.15	22.58	22.73	23.15	23.81
12H	4H	21.88	22.50	22.43	23.05	23.62	21.88	22.50	22.43	23.05	23.62
	6H	22.00	22.50	22.58	23.08	23.67	22.00	22.50	22.58	23.08	23.67
	8H	22.09	22.52	22.66	23.08	23.74	22.09	22.52	22.66	23.08	23.74