

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: P1221250

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (6500K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221250
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 (6500K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

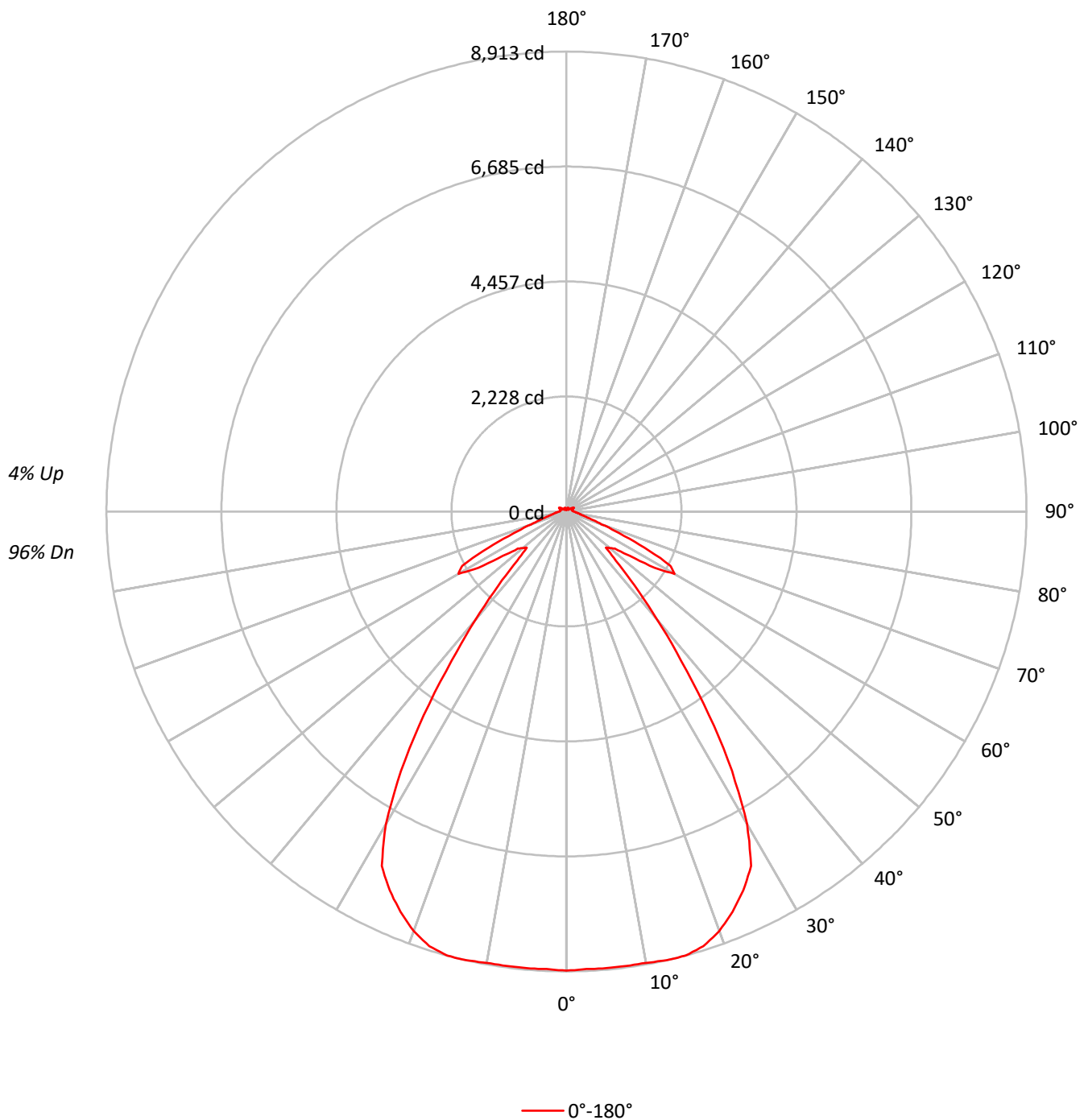
Lumens per Lamp: N/A
Luminaire Lumens: 15563.4 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 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	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°	48647
5°	46576
10°	45044
15°	44108
20°	42116
25°	39105
30°	33754
35°	23370
40°	13448
45°	6786
50°	5711
55°	8127
60°	13710
65°	10037
70°	4705
75°	2594
80°	1938
85°	1608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 13710 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	848.0	5.4
10°-20°	2507.5	16.1
20°-30°	3691.6	23.7
30°-40°	2976.9	19.1
40°-50°	1192.4	7.7
50°-60°	1465.5	9.4
60°-70°	1628.7	10.5
70°-80°	435.1	2.8
80°-90°	203.1	1.3
90°-100°	134.3	0.9
100°-110°	119.2	0.8
110°-120°	143.0	0.9
120°-130°	88.9	0.6
130°-140°	35.6	0.2
140°-150°	36.5	0.2
150°-160°	35.6	0.2
160°-170°	17.8	0.1
170°-180°	3.6	0.0
0°-30°	7047.2	45.3
0°-40°	10024.1	64.4
0°-60°	12682.0	81.5
0°-90°	14948.8	96.1
90°-120°	396.5	2.5
90°-150°	557.6	3.6
90°-180°	615.0	4.0
0°-180°	15563.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8899	
5°	8885	848
15°	8913	2508
25°	8104	3692
35°	4816	2977
45°	1348	1192
55°	1506	1466
65°	1668	1629
75°	368	435
85°	183	163
90°	135	76
95°	120	99
105°	116	119
115°	162	143
125°	96	89
135°	43	36
145°	60	37
155°	78	36
165°	62	18
175°	34	4
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8898.6
2.5°	8878.3
5°	8885.4
7.5°	8885.4
10°	8881.4
12.5°	8910.8
15°	8912.8
17.5°	8833.6
20°	8651.9
22.5°	8400.1
25°	8103.7
27.5°	7748.3
30°	7002.1
32.5°	5967.6
35°	4816.3
37.5°	3648.8
40°	2732.0
42.5°	1950.3
45°	1348.2
47.5°	1037.6
50°	1100.5
52.5°	1183.8
55°	1505.6
57.5°	2029.5
60°	2418.3
62.5°	2270.1
65°	1668.0
67.5°	1101.5
70°	727.9
72.5°	504.6
75°	368.5
77.5°	290.4
80°	248.7
82.5°	214.2
85°	182.7
87.5°	156.3
90°	135.0
92.5°	125.9
95°	119.8
97.5°	118.8
100°	120.8
102.5°	121.8
105°	115.7
107.5°	101.5
110°	101.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	132.0
115°	162.4
117.5°	161.4
120°	142.1
122.5°	119.8
125°	96.4
127.5°	76.1
130°	59.9
132.5°	49.7
135°	42.6
137.5°	39.6
140°	41.6
142.5°	48.7
145°	59.9
147.5°	69.0
150°	74.1
152.5°	77.2
155°	78.2
157.5°	78.2
160°	75.1
162.5°	70.1
165°	61.9
167.5°	52.8
170°	43.7
172.5°	37.6
175°	34.5
177.5°	32.5
180°	31.5

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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	19.66	20.96	20.10	21.36	21.77	19.66	20.96	20.10	21.36	21.77
	3H	20.46	21.62	20.90	22.03	22.50	20.46	21.62	20.90	22.03	22.50
	4H	20.53	21.62	20.99	22.05	22.53	20.53	21.62	20.99	22.05	22.53
	6H	20.55	21.56	21.03	22.00	22.49	20.55	21.56	21.03	22.00	22.49
	8H	20.55	21.51	21.05	21.98	22.48	20.55	21.51	21.05	21.98	22.48
	12H	20.55	21.47	21.05	21.93	22.46	20.55	21.47	21.05	21.93	22.46
4H	2H	20.22	21.32	20.69	21.75	22.23	20.22	21.32	20.69	21.75	22.23
	3H	21.00	21.91	21.48	22.39	22.89	21.00	21.91	21.48	22.39	22.89
	4H	21.09	21.91	21.59	22.40	22.93	21.09	21.91	21.59	22.40	22.93
	6H	21.15	21.86	21.67	22.38	22.93	21.15	21.86	21.67	22.38	22.93
	8H	21.17	21.83	21.70	22.35	22.91	21.17	21.83	21.70	22.35	22.91
	12H	21.19	21.78	21.74	22.33	22.89	21.19	21.78	21.74	22.33	22.89
8H	4H	21.05	21.71	21.58	22.23	22.79	21.05	21.71	21.58	22.23	22.79
	6H	21.15	21.68	21.71	22.25	22.82	21.15	21.68	21.71	22.25	22.82
	8H	21.19	21.67	21.78	22.25	22.83	21.19	21.67	21.78	22.25	22.83
	12H	21.26	21.67	21.84	22.24	22.89	21.26	21.67	21.84	22.24	22.89
12H	4H	21.02	21.61	21.57	22.16	22.72	21.02	21.61	21.57	22.16	22.72
	6H	21.12	21.59	21.70	22.17	22.76	21.12	21.59	21.70	22.17	22.76
	8H	21.20	21.61	21.78	22.17	22.83	21.20	21.61	21.78	22.17	22.83