

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: P1221313

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221313
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

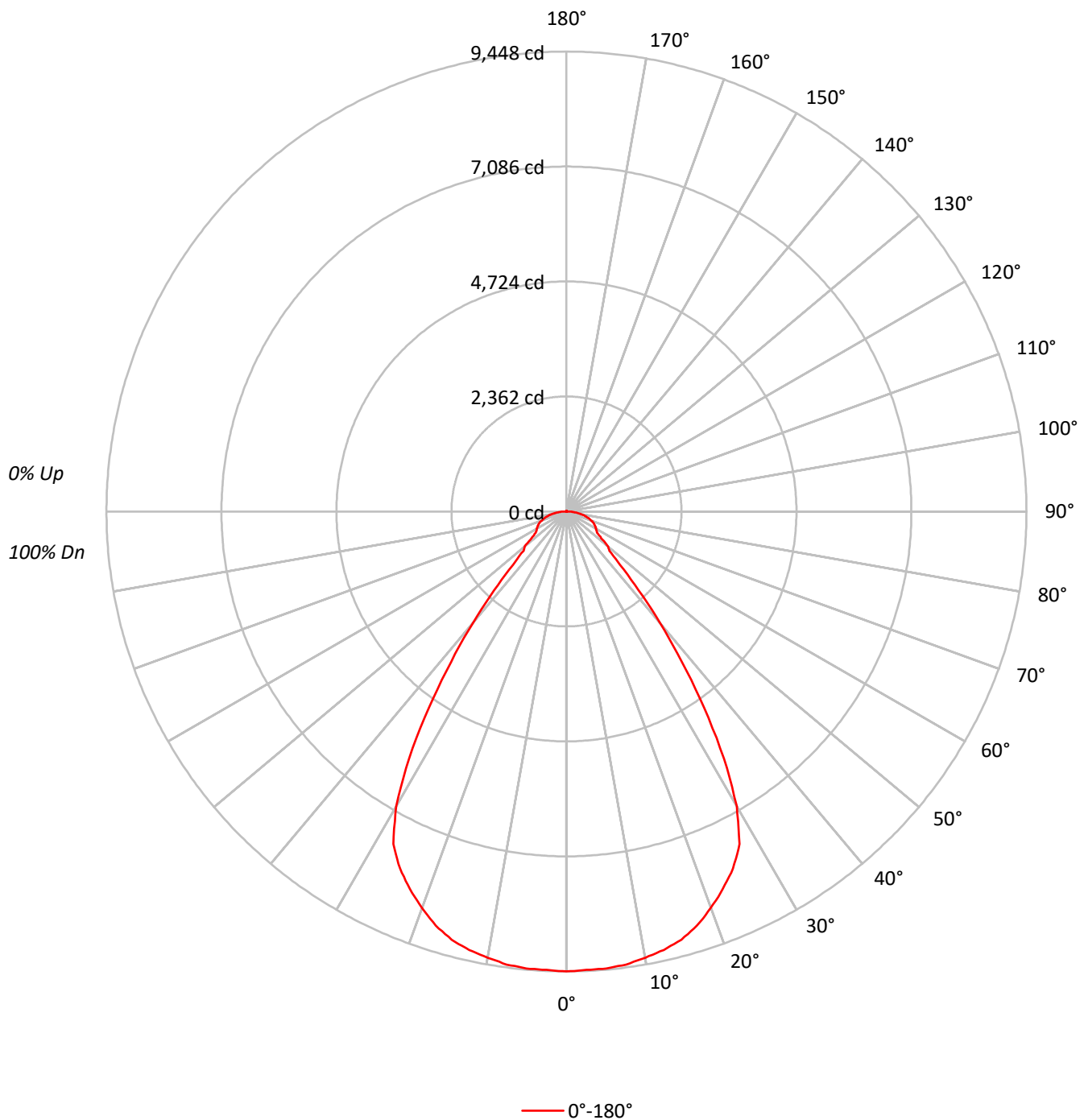
Lumens per Lamp: N/A
Luminaire Lumens: 13524.2 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 100
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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	102		109	105	103	100		101	99	97		97	96	94		94	92	91
2	104	98	93	88		102	96	91	87		93	89	85		89	86	83		87	84	81
3	97	89	83	78		95	88	82	77		85	80	76		82	78	75		80	76	73
4	91	82	75	70		89	81	74	69		78	73	68		76	71	67		74	70	67
5	86	75	68	63		84	74	68	63		72	66	62		71	65	61		69	64	61
6	80	70	62	57		79	69	62	57		67	61	57		66	60	56		64	59	56
7	76	65	57	52		74	64	57	52		62	56	52		61	56	52		60	55	51
8	71	60	53	48		70	60	53	48		58	52	48		57	52	48		56	51	47
9	67	56	49	45		66	56	49	45		55	49	44		54	48	44		53	48	44
10	64	53	46	41		63	52	46	41		51	45	41		50	45	41		50	45	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	51651
5°	49399
10°	47208
15°	45079
20°	42209
25°	39054
30°	33705
35°	23917
40°	14713
45°	7801
50°	5786
55°	4184
60°	3969
65°	3815
70°	3497
75°	3006
80°	2260
85°	1223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7801 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	896.0	6.6
10°-20°	2559.5	18.9
20°-30°	3683.9	27.2
30°-40°	3064.0	22.7
40°-50°	1332.5	9.9
50°-60°	740.1	5.5
60°-70°	623.5	4.6
70°-80°	446.1	3.3
80°-90°	154.1	1.1
90°-100°	2.2	0.0
100°-110°	1.1	0.0
110°-120°	1.9	0.0
120°-130°	2.1	0.0
130°-140°	3.4	0.0
140°-150°	5.2	0.0
150°-160°	4.8	0.0
160°-170°	2.9	0.0
170°-180°	1.1	0.0
0°-30°	7139.3	52.8
0°-40°	10203.3	75.4
0°-60°	12275.9	90.8
0°-90°	13499.7	99.8
90°-120°	5.1	0.0
90°-150°	15.8	0.1
90°-180°	25.0	0.2
0°-180°	13524.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9448	
5°	9424	896
15°	9109	2559
25°	8093	3684
35°	4929	3064
45°	1550	1333
55°	775	740
65°	634	623
75°	427	446
85°	139	144
90°	9	11
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	8	5
155°	10	5
165°	10	3
175°	11	1
180°	11	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9448
2.5°	9428
5°	9424
7.5°	9387
10°	9308
12.5°	9226
15°	9109
17.5°	8920
20°	8671
22.5°	8395
25°	8093
27.5°	7699
30°	6992
32.5°	6019
35°	4929
37.5°	3891
40°	2989
42.5°	2192
45°	1550
47.5°	1194
50°	1115
52.5°	902
55°	775
57.5°	730
60°	700
62.5°	671
65°	634
67.5°	591
70°	541
72.5°	487
75°	427
77.5°	361
80°	290
82.5°	216
85°	139
87.5°	62
90°	9
92.5°	1
95°	1
97.5°	1
100°	1
102.5°	1
105°	1
107.5°	1
110°	1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2
115°	2
117.5°	2
120°	2
122.5°	2
125°	2
127.5°	3
130°	3
132.5°	4
135°	4
137.5°	5
140°	6
142.5°	7
145°	8
147.5°	10
150°	11
152.5°	11
155°	10
157.5°	10
160°	10
162.5°	10
165°	10
167.5°	10
170°	11
172.5°	11
175°	11
177.5°	11
180°	11

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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	13.24	14.48	13.61	14.79	15.11	13.24	14.48	13.61	14.79	15.11
	3H	15.36	16.46	15.74	16.80	17.17	15.36	16.46	15.74	16.80	17.17
	4H	16.15	17.18	16.56	17.54	17.93	16.15	17.18	16.56	17.54	17.93
	6H	16.70	17.65	17.12	18.02	18.42	16.70	17.65	17.12	18.02	18.42
	8H	16.85	17.75	17.28	18.14	18.55	16.85	17.75	17.28	18.14	18.55
	12H	16.92	17.78	17.36	18.17	18.60	16.92	17.78	17.36	18.17	18.60
4H	2H	13.85	14.89	14.26	15.24	15.63	13.85	14.89	14.26	15.24	15.63
	3H	16.14	16.99	16.56	17.40	17.81	16.14	16.99	16.56	17.40	17.81
	4H	17.04	17.80	17.47	18.23	18.68	17.04	17.80	17.47	18.23	18.68
	6H	17.69	18.36	18.16	18.81	19.28	17.69	18.36	18.16	18.81	19.28
	8H	17.88	18.50	18.35	18.95	19.42	17.88	18.50	18.35	18.95	19.42
	12H	17.98	18.53	18.47	19.01	19.49	17.98	18.53	18.47	19.01	19.49
8H	4H	17.29	17.91	17.76	18.36	18.84	17.29	17.91	17.76	18.36	18.84
	6H	18.05	18.55	18.55	19.06	19.54	18.05	18.55	18.55	19.06	19.54
	8H	18.29	18.75	18.82	19.27	19.76	18.29	18.75	18.82	19.27	19.76
	12H	18.46	18.85	18.97	19.35	19.93	18.46	18.85	18.97	19.35	19.93
12H	4H	17.30	17.85	17.79	18.33	18.81	17.30	17.85	17.79	18.33	18.81
	6H	18.07	18.53	18.60	19.05	19.54	18.07	18.53	18.60	19.05	19.54
	8H	18.37	18.76	18.89	19.26	19.84	18.37	18.76	18.89	19.26	19.84

END OF REPORT