

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: P1221314

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221314
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-17)
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_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

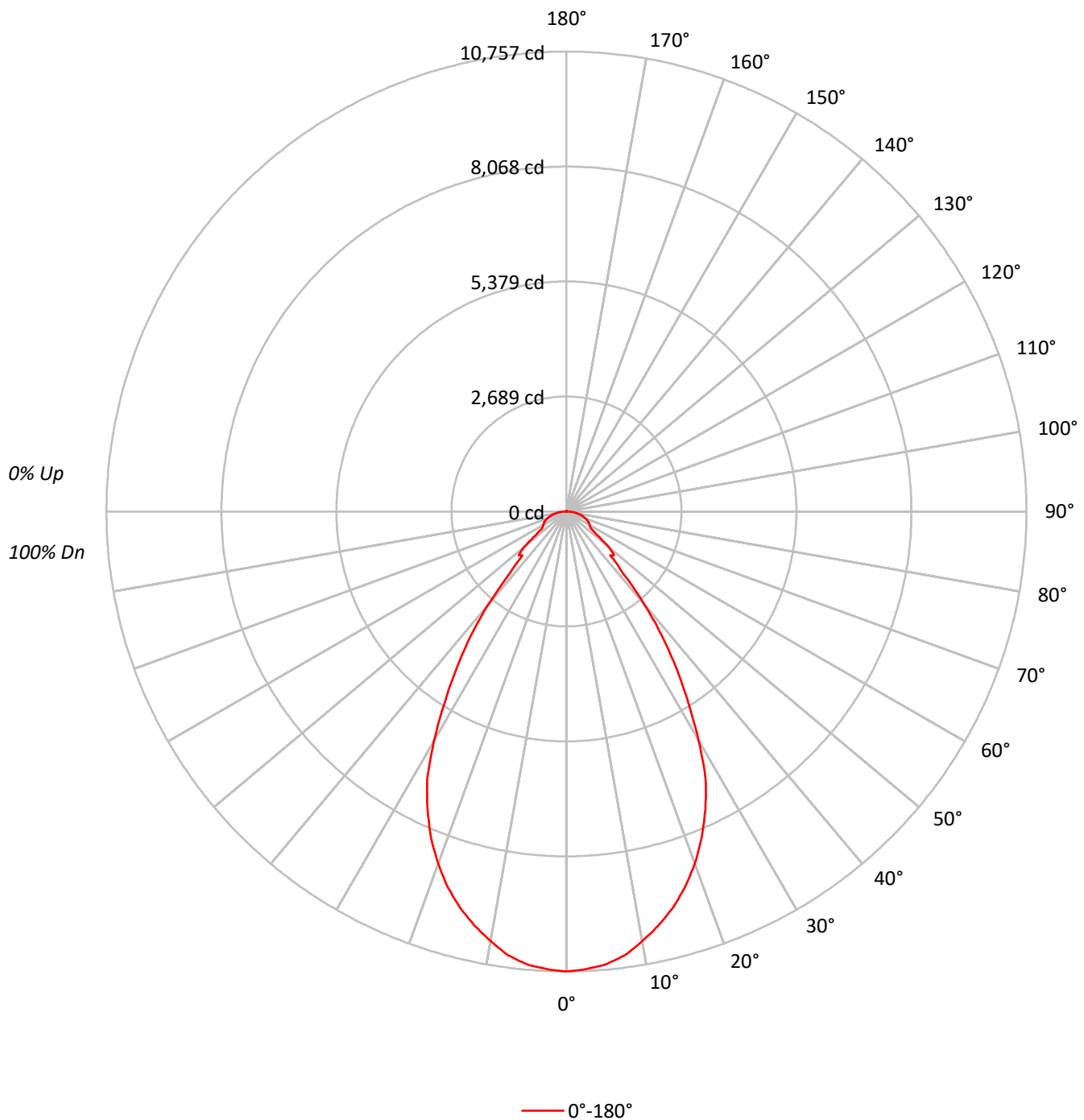
Lumens per Lamp: N/A
Luminaire Lumens: 13112.4 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68
5	86	76	69	64	84	75	69	64	73	68	63	71	66	63	70	65	62
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	52	49
9	68	57	51	46	67	57	50	46	56	50	46	55	49	46	54	49	45
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58807
5°	55747
10°	51767
15°	47508
20°	42701
25°	37099
30°	29810
35°	21695
40°	14014
45°	7298
50°	6627
55°	3816
60°	3532
65°	3376
70°	3064
75°	2583
80°	1956
85°	1109

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 7734 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1001.6	7.6
10°-20°	2688.6	20.5
20°-30°	3492.8	26.6
30°-40°	2781.1	21.2
40°-50°	1338.9	10.2
50°-60°	714.2	5.4
60°-70°	551.3	4.2
70°-80°	385.4	2.9
80°-90°	136.3	1.0
90°-100°	1.1	0.0
100°-110°	1.4	0.0
110°-120°	2.0	0.0
120°-130°	2.1	0.0
130°-140°	2.9	0.0
140°-150°	4.3	0.0
150°-160°	4.2	0.0
160°-170°	2.9	0.0
170°-180°	1.1	0.0
0°-30°	7183.1	54.8
0°-40°	9964.1	76.0
0°-60°	12017.3	91.6
0°-90°	13090.4	99.8
90°-120°	4.5	0.0
90°-150°	13.9	0.1
90°-180°	22.0	0.2
0°-180°	13112.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10757	
5°	10635	###
15°	9600	2689
25°	7688	3493
35°	4471	2781
45°	1450	1339
55°	707	714
65°	561	551
75°	367	385
85°	126	128
90°	1	8
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	7	4
155°	9	4
165°	10	3
175°	12	1
180°	12	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10757
2.5°	10716
5°	10635
7.5°	10469
10°	10207
12.5°	9923
15°	9600
17.5°	9217
20°	8772
22.5°	8267
25°	7688
27.5°	7047
30°	6184
32.5°	5302
35°	4471
37.5°	3677
40°	2847
42.5°	1960
45°	1450
47.5°	1515
50°	1277
52.5°	895
55°	707
57.5°	655
60°	623
62.5°	596
65°	561
67.5°	520
70°	474
72.5°	422
75°	367
77.5°	309
80°	251
82.5°	190
85°	126
87.5°	59
90°	1
92.5°	1
95°	1
97.5°	1
100°	1
102.5°	1
105°	1
107.5°	2
110°	2

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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°	3
135°	4
137.5°	4
140°	5
142.5°	6
145°	7
147.5°	8
150°	9
152.5°	9
155°	9
157.5°	9
160°	9
162.5°	10
165°	10
167.5°	11
170°	11
172.5°	11
175°	12
177.5°	12
180°	12

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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	12.60	13.83	12.97	14.15	14.47	12.60	13.83	12.97	14.15	14.47
	3H	14.65	15.75	15.04	16.08	16.45	14.65	15.75	15.04	16.08	16.45
	4H	15.40	16.42	15.81	16.78	17.17	15.40	16.42	15.81	16.78	17.17
	6H	15.92	16.86	16.34	17.23	17.63	15.92	16.86	16.34	17.23	17.63
	8H	16.07	16.96	16.50	17.35	17.76	16.07	16.96	16.50	17.35	17.76
	12H	16.14	16.99	16.58	17.38	17.81	16.14	16.99	16.58	17.38	17.81
4H	2H	13.20	14.22	13.61	14.58	14.96	13.20	14.22	13.61	14.58	14.96
	3H	15.41	16.26	15.83	16.67	17.07	15.41	16.26	15.83	16.67	17.07
	4H	16.26	17.02	16.70	17.44	17.89	16.26	17.02	16.70	17.44	17.89
	6H	16.89	17.54	17.35	17.99	18.46	16.89	17.54	17.35	17.99	18.46
	8H	17.07	17.68	17.54	18.13	18.61	17.07	17.68	17.54	18.13	18.61
	12H	17.18	17.72	17.67	18.21	18.68	17.18	17.72	17.67	18.21	18.68
8H	4H	16.50	17.11	16.97	17.56	18.04	16.50	17.11	16.97	17.56	18.04
	6H	17.23	17.73	17.73	18.23	18.71	17.23	17.73	17.73	18.23	18.71
	8H	17.48	17.92	18.00	18.44	18.94	17.48	17.92	18.00	18.44	18.94
	12H	17.64	18.04	18.16	18.53	19.11	17.64	18.04	18.16	18.53	19.11
12H	4H	16.50	17.04	16.99	17.53	18.01	16.50	17.04	16.99	17.53	18.01
	6H	17.25	17.70	17.78	18.22	18.72	17.25	17.70	17.78	18.22	18.72
	8H	17.55	17.94	18.07	18.44	19.01	17.55	17.94	18.07	18.44	19.01

END OF REPORT