

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: P1221242

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (5000K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221242
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-14)
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 (5000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

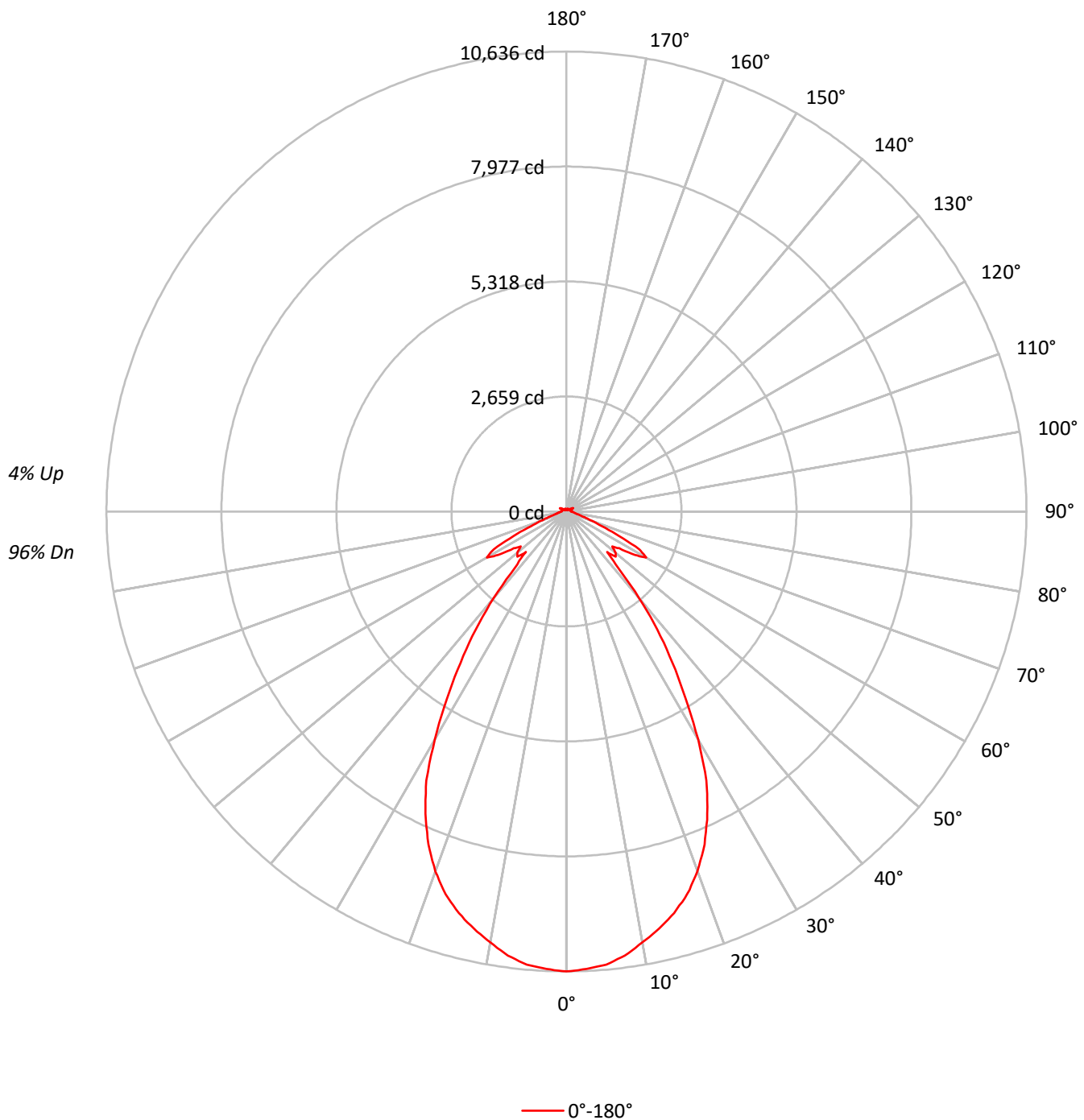
Lumens per Lamp: N/A
Luminaire Lumens: 15017.0 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 99.2
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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	87	87	87	87	85			
2	102	95	90	85	99	93	88	84	89	85	82	86	82	79	82	79	77	77	77	77	77	75			
3	95	86	80	74	92	85	78	73	81	76	72	78	74	70	75	72	68	68	68	68	68	66			
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	61	61	61	61	61	59			
5	83	72	64	59	80	71	64	58	68	62	57	66	61	56	64	59	56	56	56	56	56	54			
6	77	66	59	53	75	65	58	53	63	57	52	61	56	51	59	54	51	51	51	51	51	49			
7	73	61	54	48	71	60	53	48	59	52	48	57	51	47	55	50	47	47	47	47	47	45			
8	69	57	50	45	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	43	41			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	40	40	40	40	38			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	37	37	37	37	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58146
5°	55141
10°	51317
15°	47586
20°	43117
25°	37214
30°	29322
35°	20706
40°	12840
45°	6696
50°	7692
55°	8001
60°	12079
65°	8111
70°	3786
75°	2072
80°	1534
85°	1282

MAXIMUM LUMINANCE 45°-90°:

Luminance: 12079 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	991.3	6.6
10°-20°	2694.4	17.9
20°-30°	3495.6	23.3
30°-40°	2659.7	17.7
40°-50°	1282.8	8.5
50°-60°	1463.8	9.7
60°-70°	1350.6	9.0
70°-80°	348.4	2.3
80°-90°	162.2	1.1
90°-100°	112.5	0.7
100°-110°	103.7	0.7
110°-120°	145.2	1.0
120°-130°	88.2	0.6
130°-140°	33.6	0.2
140°-150°	32.5	0.2
150°-160°	32.9	0.2
160°-170°	16.4	0.1
170°-180°	3.5	0.0
0°-30°	7181.3	47.8
0°-40°	9841.0	65.5
0°-60°	12587.5	83.8
0°-90°	14448.7	96.2
90°-120°	361.3	2.4
90°-150°	515.6	3.4
90°-180°	568.0	3.8
0°-180°	15017.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10636	
5°	10519	991
15°	9616	2694
25°	7712	3496
35°	4267	2660
45°	1330	1283
55°	1482	1464
65°	1348	1351
75°	294	348
85°	146	130
90°	111	62
95°	100	83
105°	98	104
115°	169	145
125°	95	88
135°	40	34
145°	52	32
155°	73	33
165°	56	16
175°	35	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10636.2
2.5°	10591.1
5°	10519.3
7.5°	10360.3
10°	10118.2
12.5°	9885.3
15°	9615.6
17.5°	9284.2
20°	8857.5
22.5°	8336.4
25°	7711.7
27.5°	7009.1
30°	6082.8
32.5°	5137.1
35°	4267.2
37.5°	3452.7
40°	2608.5
42.5°	1755.1
45°	1330.4
47.5°	1541.7
50°	1482.2
52.5°	1331.4
55°	1482.2
57.5°	1875.1
60°	2130.5
62.5°	1895.6
65°	1347.9
67.5°	885.2
70°	585.7
72.5°	405.2
75°	294.4
77.5°	231.8
80°	196.9
82.5°	169.3
85°	145.7
87.5°	126.2
90°	110.8
92.5°	104.6
95°	100.5
97.5°	100.5
100°	102.6
102.5°	103.6
105°	98.5
107.5°	90.3
110°	96.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	131.3
115°	169.3
117.5°	166.2
120°	142.6
122.5°	119.0
125°	95.4
127.5°	74.9
130°	58.5
132.5°	47.2
135°	40.0
137.5°	36.9
140°	38.0
142.5°	44.1
145°	52.3
147.5°	60.5
150°	66.7
152.5°	70.8
155°	72.8
157.5°	72.8
160°	69.8
162.5°	64.6
165°	56.4
167.5°	48.2
170°	41.0
172.5°	35.9
175°	34.9
177.5°	32.8
180°	32.8

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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	19.24	20.52	19.67	20.91	21.32	19.24	20.52	19.67	20.91	21.32
	3H	19.83	20.98	20.28	21.39	21.84	19.83	20.98	20.28	21.39	21.84
	4H	19.87	20.94	20.34	21.37	21.85	19.87	20.94	20.34	21.37	21.85
	6H	19.87	20.86	20.35	21.30	21.79	19.87	20.86	20.35	21.30	21.79
	8H	19.86	20.80	20.36	21.27	21.76	19.86	20.80	20.36	21.27	21.76
	12H	19.86	20.75	20.35	21.21	21.73	19.86	20.75	20.35	21.21	21.73
4H	2H	19.64	20.71	20.11	21.14	21.61	19.64	20.71	20.11	21.14	21.61
	3H	20.25	21.14	20.72	21.61	22.11	20.25	21.14	20.72	21.61	22.11
	4H	20.30	21.10	20.80	21.59	22.13	20.30	21.10	20.80	21.59	22.13
	6H	20.34	21.03	20.86	21.55	22.10	20.34	21.03	20.86	21.55	22.10
	8H	20.34	20.99	20.87	21.50	22.06	20.34	20.99	20.87	21.50	22.06
	12H	20.35	20.92	20.90	21.47	22.03	20.35	20.92	20.90	21.47	22.03
8H	4H	20.25	20.89	20.78	21.41	21.97	20.25	20.89	20.78	21.41	21.97
	6H	20.31	20.83	20.87	21.40	21.96	20.31	20.83	20.87	21.40	21.96
	8H	20.34	20.80	20.92	21.38	21.96	20.34	20.80	20.92	21.38	21.96
	12H	20.39	20.79	20.96	21.35	22.00	20.39	20.79	20.96	21.35	22.00
12H	4H	20.21	20.78	20.76	21.33	21.90	20.21	20.78	20.76	21.33	21.90
	6H	20.28	20.74	20.86	21.32	21.90	20.28	20.74	20.86	21.32	21.90
	8H	20.33	20.74	20.91	21.30	21.95	20.33	20.74	20.91	21.30	21.95