

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: P1221247

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (6500K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221247
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_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

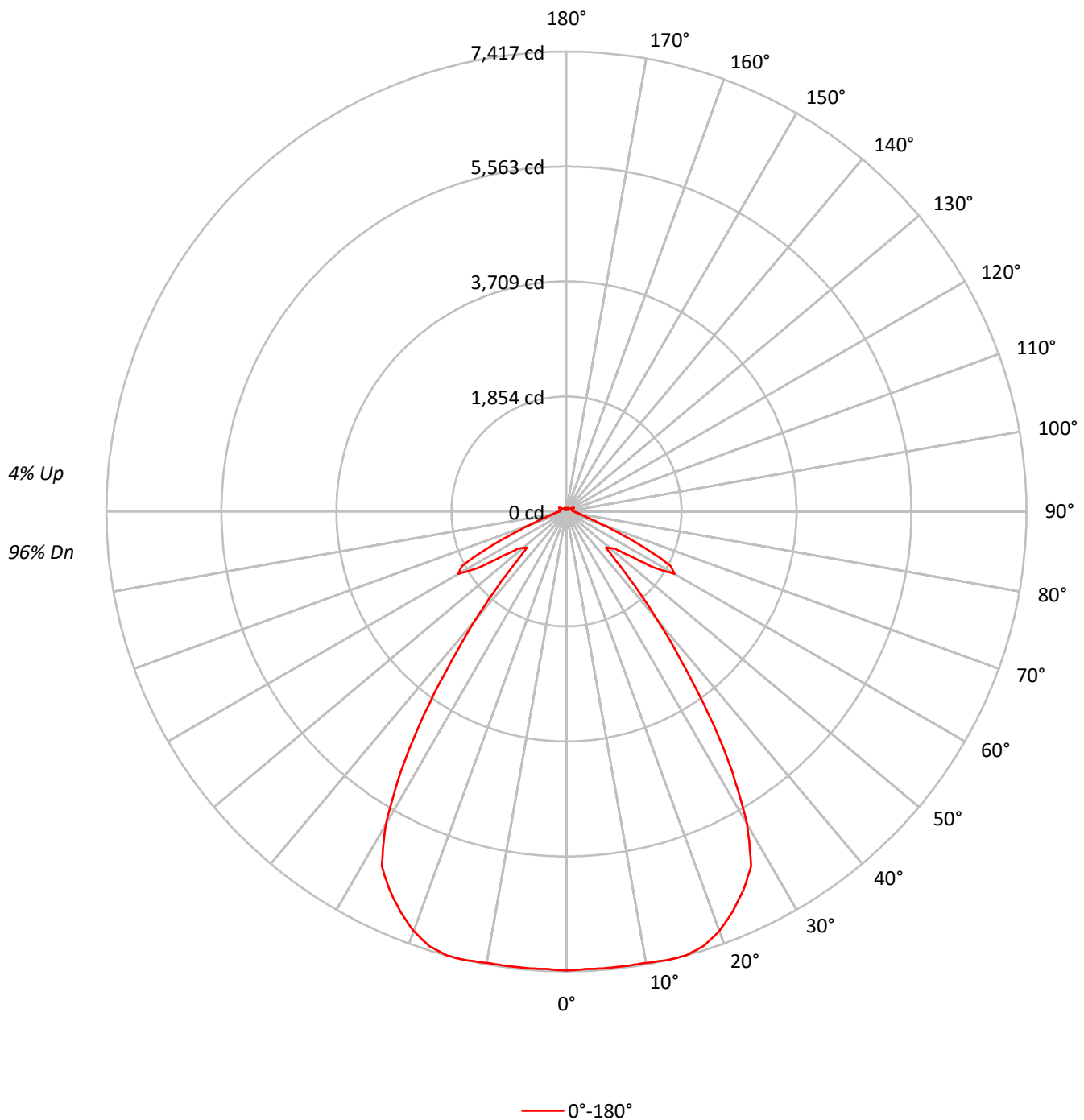
Lumens per Lamp: N/A
Luminaire Lumens: 12951.4 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 82.6
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	118	118	118	118		115	115	115	115		109	109	109		103	103	103		98	98	98
1	110	106	102	99		107	103	100	97		98	96	93		94	92	90		90	88	86
2	101	95	89	84		99	92	87	83		88	84	80		85	81	78		81	78	76
3	94	85	78	73		91	83	77	72		80	75	70		77	72	68		74	70	67
4	87	77	70	64		85	76	69	63		73	67	62		70	65	61		68	63	60
5	81	70	63	57		79	69	62	56		67	60	56		64	59	55		62	58	54
6	76	65	57	51		74	64	56	51		61	55	50		59	54	50		58	53	49
7	71	60	52	47		70	59	51	46		57	50	46		55	49	45		54	49	45
8	67	55	48	43		66	54	47	42		53	47	42		51	46	42		50	45	41
9	63	51	44	39		62	51	44	39		49	43	39		48	42	38		47	42	38
10	60	48	41	36		59	47	41	36		46	40	36		45	40	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40482
5°	38759
10°	37484
15°	36705
20°	35047
25°	32542
30°	28089
35°	19448
40°	11191
45°	5647
50°	4752
55°	6763
60°	11409
65°	8353
70°	3916
75°	2159
80°	1613
85°	1339

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 11409 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.7	5.4
10°-20°	2086.6	16.1
20°-30°	3072.0	23.7
30°-40°	2477.3	19.1
40°-50°	992.2	7.7
50°-60°	1219.5	9.4
60°-70°	1355.4	10.5
70°-80°	362.0	2.8
80°-90°	169.0	1.3
90°-100°	111.8	0.9
100°-110°	99.2	0.8
110°-120°	119.0	0.9
120°-130°	74.0	0.6
130°-140°	29.6	0.2
140°-150°	30.4	0.2
150°-160°	29.7	0.2
160°-170°	14.8	0.1
170°-180°	3.0	0.0
0°-30°	5864.4	45.3
0°-40°	8341.7	64.4
0°-60°	10553.4	81.5
0°-90°	12439.9	96.1
90°-120°	330.0	2.5
90°-150°	464.1	3.6
90°-180°	511.0	3.9
0°-180°	12951.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7405	
5°	7394	706
15°	7417	2087
25°	6744	3072
35°	4008	2477
45°	1122	992
55°	1253	1220
65°	1388	1355
75°	307	362
85°	152	136
90°	112	63
95°	100	82
105°	96	99
115°	135	119
125°	80	74
135°	36	30
145°	50	30
155°	65	30
165°	52	15
175°	29	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7405.0
2.5°	7388.1
5°	7394.1
7.5°	7394.1
10°	7390.7
12.5°	7415.2
15°	7416.9
17.5°	7351.0
20°	7199.7
22.5°	6990.2
25°	6743.5
27.5°	6447.8
30°	5826.9
32.5°	4966.0
35°	4007.9
37.5°	3036.4
40°	2273.5
42.5°	1622.9
45°	1121.9
47.5°	863.4
50°	915.8
52.5°	985.1
55°	1252.9
57.5°	1688.8
60°	2012.4
62.5°	1889.1
65°	1388.1
67.5°	916.7
70°	605.8
72.5°	419.9
75°	306.7
77.5°	241.6
80°	207.0
82.5°	178.3
85°	152.1
87.5°	130.1
90°	112.4
92.5°	104.8
95°	99.7
97.5°	98.8
100°	100.5
102.5°	101.4
105°	96.3
107.5°	84.5
110°	84.5

TEST NUMBER: P1221247

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	109.8
115°	135.2
117.5°	134.3
120°	118.3
122.5°	99.7
125°	80.3
127.5°	63.4
130°	49.8
132.5°	41.4
135°	35.5
137.5°	32.9
140°	34.6
142.5°	40.6
145°	49.8
147.5°	57.4
150°	61.7
152.5°	64.2
155°	65.1
157.5°	65.1
160°	62.5
162.5°	58.3
165°	51.5
167.5°	43.9
170°	36.3
172.5°	31.3
175°	28.7
177.5°	27.0
180°	26.2

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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	19.02	20.32	19.46	20.72	21.13	19.02	20.32	19.46	20.72	21.13
	3H	19.82	20.98	20.27	21.40	21.86	19.82	20.98	20.27	21.40	21.86
	4H	19.89	20.98	20.36	21.41	21.89	19.89	20.98	20.36	21.41	21.89
	6H	19.91	20.92	20.39	21.37	21.86	19.91	20.92	20.39	21.37	21.86
	8H	19.91	20.87	20.41	21.34	21.84	19.91	20.87	20.41	21.34	21.84
	12H	19.92	20.83	20.41	21.29	21.82	19.92	20.83	20.41	21.29	21.82
4H	2H	19.59	20.68	20.06	21.11	21.59	19.59	20.68	20.06	21.11	21.59
	3H	20.36	21.27	20.84	21.75	22.25	20.36	21.27	20.84	21.75	22.25
	4H	20.45	21.27	20.95	21.76	22.30	20.45	21.27	20.95	21.76	22.30
	6H	20.51	21.22	21.04	21.74	22.29	20.51	21.22	21.04	21.74	22.29
	8H	20.53	21.19	21.06	21.71	22.27	20.53	21.19	21.06	21.71	22.27
	12H	20.55	21.14	21.10	21.69	22.25	20.55	21.14	21.10	21.69	22.25
8H	4H	20.41	21.07	20.94	21.59	22.15	20.41	21.07	20.94	21.59	22.15
	6H	20.51	21.04	21.07	21.61	22.18	20.51	21.04	21.07	21.61	22.18
	8H	20.56	21.03	21.14	21.61	22.19	20.56	21.03	21.14	21.61	22.19
	12H	20.62	21.03	21.20	21.60	22.25	20.62	21.03	21.20	21.60	22.25
12H	4H	20.38	20.97	20.93	21.52	22.08	20.38	20.97	20.93	21.52	22.08
	6H	20.48	20.96	21.06	21.54	22.12	20.48	20.96	21.06	21.54	22.12
	8H	20.56	20.97	21.14	21.53	22.19	20.56	20.97	21.14	21.53	22.19