

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: P1221236

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221236
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 (4000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

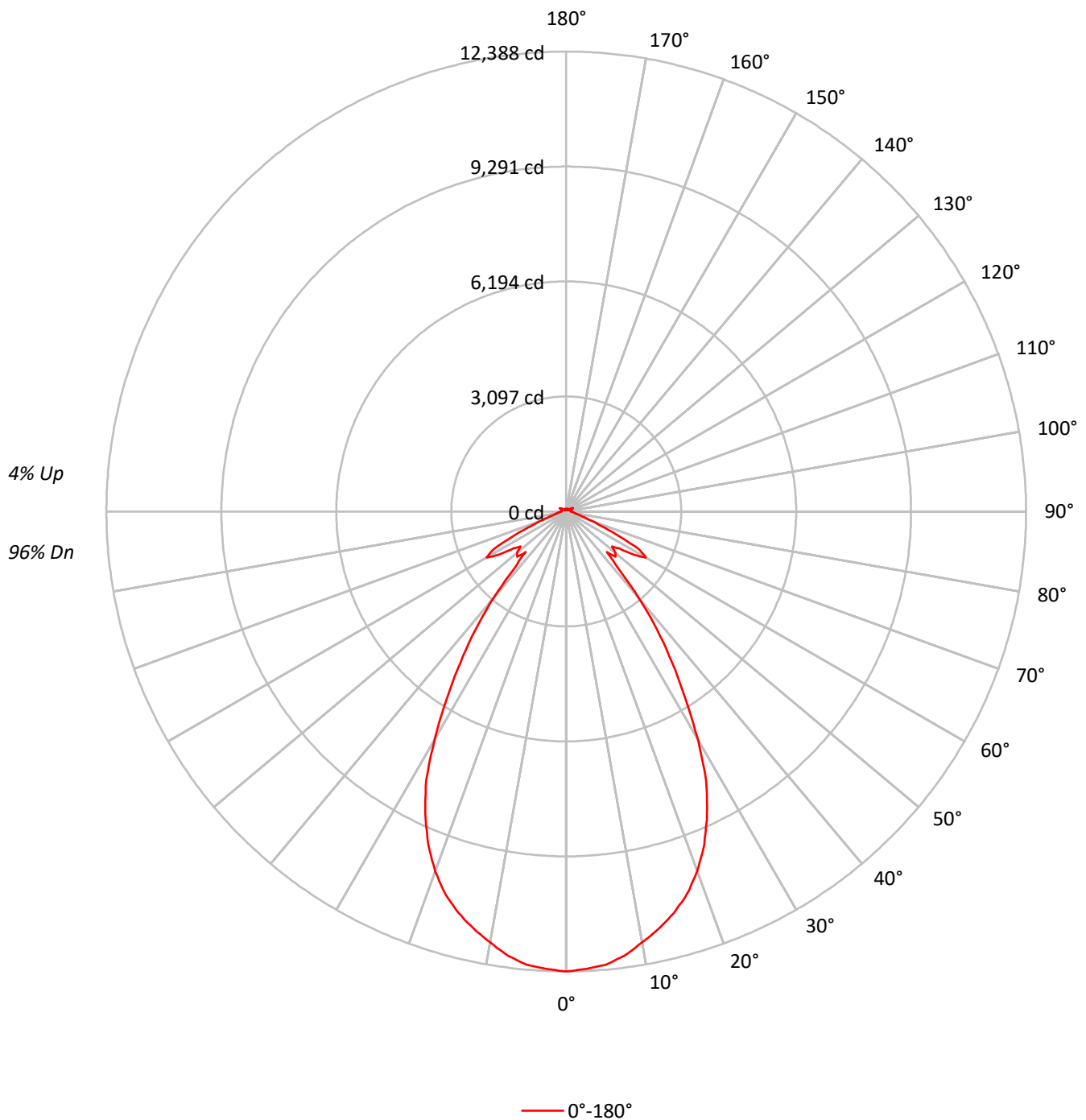
Lumens per Lamp: N/A
Luminaire Lumens: 17490.7 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 118.9
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
RCR																					
0	118	118	118	118		115	115	115	115		109	109	109		104	104	104		99	99	99
1	110	106	103	100		107	104	101	98		99	96	94		94	92	90		90	89	87
2	102	95	90	85		99	93	88	84		89	85	82		86	82	79		82	79	77
3	95	86	80	74		92	85	78	73		81	76	72		78	74	70		75	72	68
4	88	78	71	66		86	77	70	65		74	68	64		72	67	63		69	65	61
5	83	72	64	59		80	71	64	58		68	62	57		66	61	56		64	59	56
6	77	66	59	53		75	65	58	53		63	57	52		61	56	51		59	54	51
7	73	61	54	48		71	60	53	48		59	52	48		57	51	47		55	50	47
8	69	57	50	45		67	56	49	44		55	48	44		53	48	43		52	47	43
9	65	53	46	41		63	52	46	41		51	45	41		50	44	40		49	44	40
10	61	50	43	38		60	49	43	38		48	42	38		47	41	38		46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67724
5°	64223
10°	59769
15°	55424
20°	50219
25°	43344
30°	34152
35°	24116
40°	14955
45°	7799
50°	8959
55°	9319
60°	14069
65°	9447
70°	4409
75°	2414
80°	1787
85°	1493

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 14069 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1154.6	6.6
10°-20°	3138.2	17.9
20°-30°	4071.4	23.3
30°-40°	3097.8	17.7
40°-50°	1494.1	8.5
50°-60°	1704.9	9.7
60°-70°	1573.1	9.0
70°-80°	405.8	2.3
80°-90°	188.9	1.1
90°-100°	131.0	0.7
100°-110°	120.8	0.7
110°-120°	169.0	1.0
120°-130°	102.7	0.6
130°-140°	39.1	0.2
140°-150°	37.8	0.2
150°-160°	38.3	0.2
160°-170°	19.1	0.1
170°-180°	4.0	0.0
0°-30°	8364.2	47.8
0°-40°	11462.0	65.5
0°-60°	14661.0	83.8
0°-90°	16828.8	96.2
90°-120°	420.8	2.4
90°-150°	600.5	3.4
90°-180°	662.0	3.8
0°-180°	17490.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12388	
5°	12252	###
15°	11199	3138
25°	8982	4071
35°	4970	3098
45°	1550	1494
55°	1726	1705
65°	1570	1573
75°	343	406
85°	170	151
90°	129	72
95°	117	97
105°	115	121
115°	197	169
125°	111	103
135°	47	39
145°	61	38
155°	85	38
165°	66	19
175°	41	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12388.2
2.5°	12335.6
5°	12252.0
7.5°	12066.8
10°	11784.8
12.5°	11513.6
15°	11199.4
17.5°	10813.5
20°	10316.5
22.5°	9709.6
25°	8982.0
27.5°	8163.6
30°	7084.8
32.5°	5983.2
35°	4970.1
37.5°	4021.5
40°	3038.2
42.5°	2044.2
45°	1549.6
47.5°	1795.7
50°	1726.4
52.5°	1550.8
55°	1726.4
57.5°	2184.0
60°	2481.5
62.5°	2207.9
65°	1569.9
67.5°	1031.1
70°	682.2
72.5°	471.9
75°	342.9
77.5°	270.0
80°	229.4
82.5°	197.1
85°	169.7
87.5°	147.0
90°	129.0
92.5°	121.9
95°	117.1
97.5°	117.1
100°	119.5
102.5°	120.7
105°	114.7
107.5°	105.1
110°	112.3

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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L18_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	152.9
115°	197.1
117.5°	193.5
120°	166.1
122.5°	138.6
125°	111.1
127.5°	87.2
130°	68.1
132.5°	55.0
135°	46.6
137.5°	43.0
140°	44.2
142.5°	51.4
145°	60.9
147.5°	70.5
150°	77.7
152.5°	82.4
155°	84.8
157.5°	84.8
160°	81.2
162.5°	75.3
165°	65.7
167.5°	56.2
170°	47.8
172.5°	41.8
175°	40.6
177.5°	38.2
180°	38.2

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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	19.77	21.05	20.20	21.44	21.85	19.77	21.05	20.20	21.44	21.85
	3H	20.36	21.51	20.81	21.92	22.37	20.36	21.51	20.81	21.92	22.37
	4H	20.40	21.47	20.87	21.90	22.38	20.40	21.47	20.87	21.90	22.38
	6H	20.40	21.39	20.88	21.83	22.32	20.40	21.39	20.88	21.83	22.32
	8H	20.39	21.33	20.89	21.80	22.29	20.39	21.33	20.89	21.80	22.29
	12H	20.39	21.28	20.88	21.74	22.26	20.39	21.28	20.88	21.74	22.26
4H	2H	20.17	21.24	20.64	21.67	22.14	20.17	21.24	20.64	21.67	22.14
	3H	20.77	21.67	21.25	22.14	22.64	20.77	21.67	21.25	22.14	22.64
	4H	20.83	21.63	21.33	22.12	22.66	20.83	21.63	21.33	22.12	22.66
	6H	20.87	21.56	21.39	22.08	22.63	20.87	21.56	21.39	22.08	22.63
	8H	20.87	21.52	21.40	22.03	22.59	20.87	21.52	21.40	22.03	22.59
	12H	20.88	21.45	21.43	22.00	22.56	20.88	21.45	21.43	22.00	22.56
8H	4H	20.78	21.42	21.31	21.94	22.50	20.78	21.42	21.31	21.94	22.50
	6H	20.84	21.36	21.40	21.93	22.49	20.84	21.36	21.40	21.93	22.49
	8H	20.87	21.33	21.45	21.91	22.49	20.87	21.33	21.45	21.91	22.49
	12H	20.92	21.32	21.49	21.88	22.53	20.92	21.32	21.49	21.88	22.53
12H	4H	20.74	21.31	21.29	21.86	22.43	20.74	21.31	21.29	21.86	22.43
	6H	20.81	21.27	21.39	21.85	22.43	20.81	21.27	21.39	21.85	22.43
	8H	20.86	21.26	21.44	21.83	22.48	20.86	21.26	21.44	21.83	22.48

END OF REPORT