

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: P1221212

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3000K_L12_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221212
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 (3000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

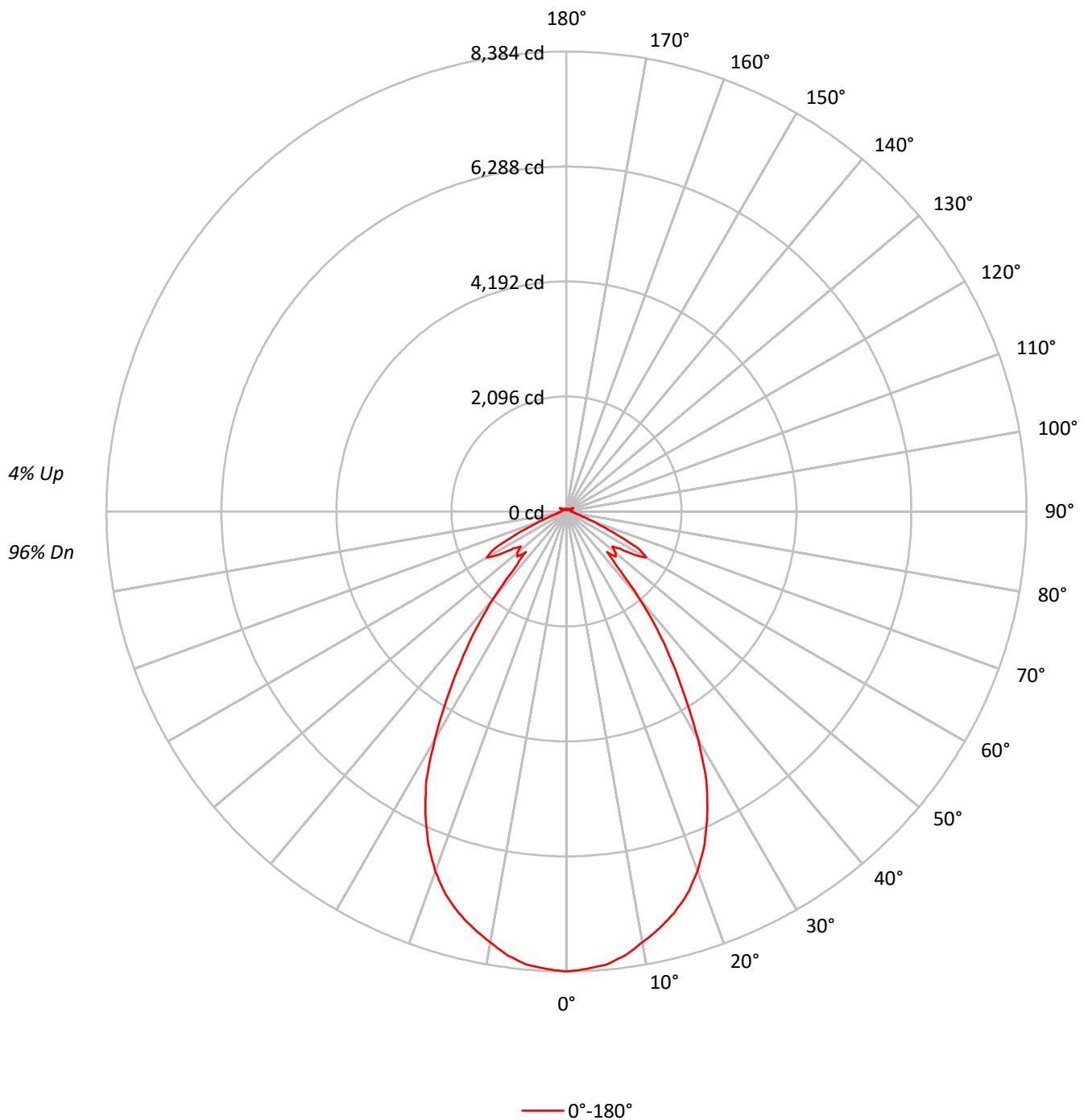
Lumens per Lamp: N/A
Luminaire Lumens: 11837.5 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 81.4
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°	45835
5°	43466
10°	40452
15°	37510
20°	33988
25°	29335
30°	23114
35°	16322
40°	10121
45°	5278
50°	6063
55°	6307
60°	9521
65°	6394
70°	2984
75°	1634
80°	1209
85°	1010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 9521 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	781.4	6.6
10°-20°	2124.0	17.9
20°-30°	2755.5	23.3
30°-40°	2096.5	17.7
40°-50°	1011.2	8.5
50°-60°	1153.9	9.7
60°-70°	1064.7	9.0
70°-80°	274.6	2.3
80°-90°	127.8	1.1
90°-100°	88.7	0.7
100°-110°	81.8	0.7
110°-120°	114.4	1.0
120°-130°	69.5	0.6
130°-140°	26.5	0.2
140°-150°	25.6	0.2
150°-160°	25.9	0.2
160°-170°	12.9	0.1
170°-180°	2.7	0.0
0°-30°	5660.9	47.8
0°-40°	7757.4	65.5
0°-60°	9922.5	83.8
0°-90°	11389.5	96.2
90°-120°	284.8	2.4
90°-150°	406.4	3.4
90°-180°	448.0	3.8
0°-180°	11837.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8384	
5°	8292	781
15°	7580	2124
25°	6079	2756
35°	3364	2097
45°	1049	1011
55°	1168	1154
65°	1062	1065
75°	232	275
85°	115	102
90°	87	49
95°	79	65
105°	78	82
115°	133	114
125°	75	69
135°	32	26
145°	41	26
155°	57	26
165°	44	13
175°	28	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8384.2
2.5°	8348.7
5°	8292.1
7.5°	8166.7
10°	7975.9
12.5°	7792.4
15°	7579.7
17.5°	7318.5
20°	6982.2
22.5°	6571.4
25°	6079.0
27.5°	5525.1
30°	4794.9
32.5°	4049.4
35°	3363.7
37.5°	2721.7
40°	2056.2
42.5°	1383.5
45°	1048.7
47.5°	1215.3
50°	1168.4
52.5°	1049.5
55°	1168.4
57.5°	1478.1
60°	1679.4
62.5°	1494.3
65°	1062.5
67.5°	697.8
70°	461.7
72.5°	319.4
75°	232.1
77.5°	182.7
80°	155.2
82.5°	133.4
85°	114.8
87.5°	99.5
90°	87.3
92.5°	82.5
95°	79.2
97.5°	79.2
100°	80.9
102.5°	81.7
105°	77.6
107.5°	71.2
110°	76.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	103.5
115°	133.4
117.5°	131.0
120°	112.4
122.5°	93.8
125°	75.2
127.5°	59.0
130°	46.1
132.5°	37.2
135°	31.5
137.5°	29.1
140°	29.9
142.5°	34.8
145°	41.2
147.5°	47.7
150°	52.6
152.5°	55.8
155°	57.4
157.5°	57.4
160°	55.0
162.5°	50.9
165°	44.5
167.5°	38.0
170°	32.3
172.5°	28.3
175°	27.5
177.5°	25.9
180°	25.9

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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	18.41	19.69	18.84	20.09	20.50	18.41	19.69	18.84	20.09	20.50
	3H	19.00	20.15	19.45	20.56	21.02	19.00	20.15	19.45	20.56	21.02
	4H	19.04	20.12	19.51	20.55	21.02	19.04	20.12	19.51	20.55	21.02
	6H	19.04	20.03	19.52	20.48	20.97	19.04	20.03	19.52	20.48	20.97
	8H	19.04	19.98	19.53	20.44	20.94	19.04	19.98	19.53	20.44	20.94
	12H	19.03	19.93	19.53	20.39	20.91	19.03	19.93	19.53	20.39	20.91
4H	2H	18.81	19.88	19.28	20.31	20.79	18.81	19.88	19.28	20.31	20.79
	3H	19.42	20.31	19.90	20.79	21.28	19.42	20.31	19.90	20.79	21.28
	4H	19.48	20.28	19.97	20.77	21.30	19.48	20.28	19.97	20.77	21.30
	6H	19.51	20.20	20.04	20.72	21.27	19.51	20.20	20.04	20.72	21.27
	8H	19.52	20.16	20.05	20.68	21.24	19.52	20.16	20.05	20.68	21.24
	12H	19.53	20.10	20.08	20.65	21.21	19.53	20.10	20.08	20.65	21.21
8H	4H	19.42	20.07	19.95	20.58	21.14	19.42	20.07	19.95	20.58	21.14
	6H	19.48	20.01	20.05	20.57	21.14	19.48	20.01	20.05	20.57	21.14
	8H	19.51	19.97	20.09	20.55	21.13	19.51	19.97	20.09	20.55	21.13
	12H	19.56	19.96	20.14	20.52	21.18	19.56	19.96	20.14	20.52	21.18
12H	4H	19.39	19.96	19.94	20.51	21.07	19.39	19.96	19.94	20.51	21.07
	6H	19.45	19.91	20.03	20.49	21.07	19.45	19.91	20.03	20.49	21.07
	8H	19.51	19.91	20.08	20.47	21.12	19.51	19.91	20.08	20.47	21.12

END OF REPORT