

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: P1221215

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3000K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221215
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_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

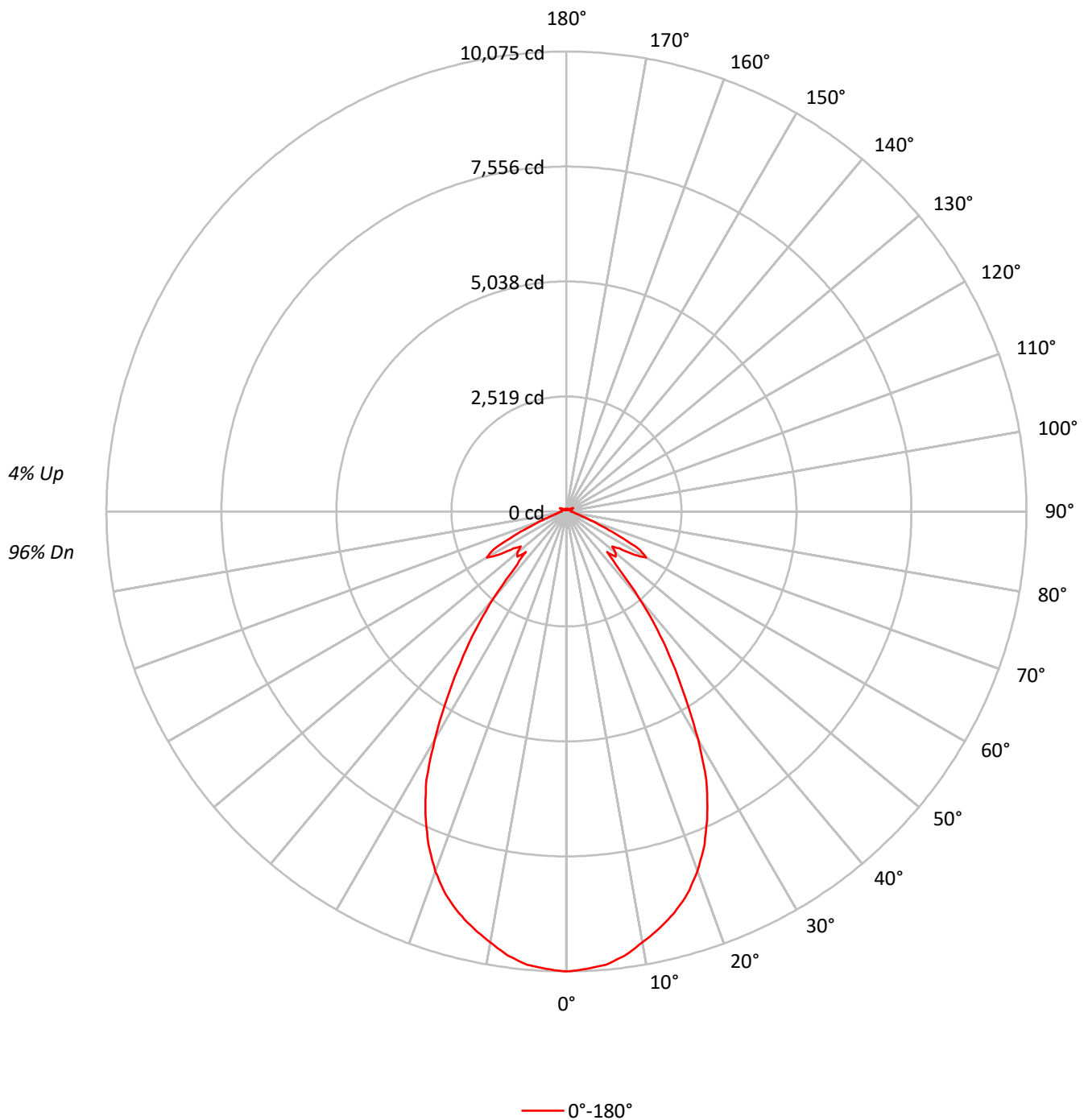
Lumens per Lamp: N/A
Luminaire Lumens: 14225.2 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.5
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°	55080
5°	52233
10°	48611
15°	45076
20°	40843
25°	35252
30°	27776
35°	19614
40°	12163
45°	6343
50°	7286
55°	7580
60°	11442
65°	7683
70°	3586
75°	1963
80°	1454
85°	1214

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 11442 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	939.0	6.6
10°-20°	2552.3	17.9
20°-30°	3311.3	23.3
30°-40°	2519.4	17.7
40°-50°	1215.2	8.5
50°-60°	1386.6	9.7
60°-70°	1279.4	9.0
70°-80°	330.0	2.3
80°-90°	153.6	1.1
90°-100°	106.5	0.7
100°-110°	98.2	0.7
110°-120°	137.5	1.0
120°-130°	83.5	0.6
130°-140°	31.8	0.2
140°-150°	30.8	0.2
150°-160°	31.2	0.2
160°-170°	15.5	0.1
170°-180°	3.3	0.0
0°-30°	6802.6	47.8
0°-40°	9322.1	65.5
0°-60°	11923.8	83.8
0°-90°	13686.9	96.2
90°-120°	342.2	2.4
90°-150°	488.4	3.4
90°-180°	538.0	3.8
0°-180°	14225.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10075	
5°	9965	939
15°	9108	2552
25°	7305	3311
35°	4042	2519
45°	1260	1215
55°	1404	1387
65°	1277	1279
75°	279	330
85°	138	123
90°	105	59
95°	95	79
105°	93	98
115°	160	137
125°	90	84
135°	38	32
145°	50	31
155°	69	31
165°	53	15
175°	33	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10075.3
2.5°	10032.6
5°	9964.6
7.5°	9814.0
10°	9584.6
12.5°	9364.1
15°	9108.5
17.5°	8794.7
20°	8390.4
22.5°	7896.8
25°	7305.1
27.5°	6639.5
30°	5762.1
32.5°	4866.2
35°	4042.2
37.5°	3270.7
40°	2471.0
42.5°	1662.5
45°	1260.3
47.5°	1460.4
50°	1404.1
52.5°	1261.2
55°	1404.1
57.5°	1776.2
60°	2018.2
62.5°	1795.7
65°	1276.8
67.5°	838.6
70°	554.8
72.5°	383.8
75°	278.9
77.5°	219.6
80°	186.6
82.5°	160.3
85°	138.0
87.5°	119.5
90°	104.9
92.5°	99.1
95°	95.2
97.5°	95.2
100°	97.2
102.5°	98.1
105°	93.3
107.5°	85.5
110°	91.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	124.4
115°	160.3
117.5°	157.4
120°	135.1
122.5°	112.7
125°	90.4
127.5°	70.9
130°	55.4
132.5°	44.7
135°	37.9
137.5°	35.0
140°	36.0
142.5°	41.8
145°	49.6
147.5°	57.3
150°	63.2
152.5°	67.0
155°	69.0
157.5°	69.0
160°	66.1
162.5°	61.2
165°	53.4
167.5°	45.7
170°	38.9
172.5°	34.0
175°	33.0
177.5°	31.1
180°	31.1

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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	19.05	20.33	19.48	20.72	21.14	19.05	20.33	19.48	20.72	21.14
	3H	19.64	20.79	20.09	21.20	21.66	19.64	20.79	20.09	21.20	21.66
	4H	19.68	20.75	20.15	21.18	21.66	19.68	20.75	20.15	21.18	21.66
	6H	19.68	20.67	20.16	21.12	21.60	19.68	20.67	20.16	21.12	21.60
	8H	19.68	20.61	20.17	21.08	21.58	19.68	20.61	20.17	21.08	21.58
	12H	19.67	20.57	20.17	21.02	21.55	19.67	20.57	20.17	21.02	21.55
4H	2H	19.45	20.52	19.92	20.95	21.43	19.45	20.52	19.92	20.95	21.43
	3H	20.06	20.95	20.54	21.43	21.92	20.06	20.95	20.54	21.43	21.92
	4H	20.11	20.92	20.61	21.41	21.94	20.11	20.92	20.61	21.41	21.94
	6H	20.15	20.84	20.68	21.36	21.91	20.15	20.84	20.68	21.36	21.91
	8H	20.15	20.80	20.69	21.32	21.87	20.15	20.80	20.69	21.32	21.87
	12H	20.17	20.74	20.71	21.28	21.85	20.17	20.74	20.71	21.28	21.85
8H	4H	20.06	20.70	20.59	21.22	21.78	20.06	20.70	20.59	21.22	21.78
	6H	20.12	20.64	20.68	21.21	21.77	20.12	20.64	20.68	21.21	21.77
	8H	20.15	20.61	20.73	21.19	21.77	20.15	20.61	20.73	21.19	21.77
	12H	20.20	20.60	20.78	21.16	21.82	20.20	20.60	20.78	21.16	21.82
12H	4H	20.03	20.60	20.57	21.15	21.71	20.03	20.60	20.57	21.15	21.71
	6H	20.09	20.55	20.67	21.13	21.71	20.09	20.55	20.67	21.13	21.71
	8H	20.14	20.55	20.72	21.11	21.76	20.14	20.55	20.72	21.11	21.76

END OF REPORT