

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439272

Luminaire Tested: CB3-085U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439272
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-085U-120D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

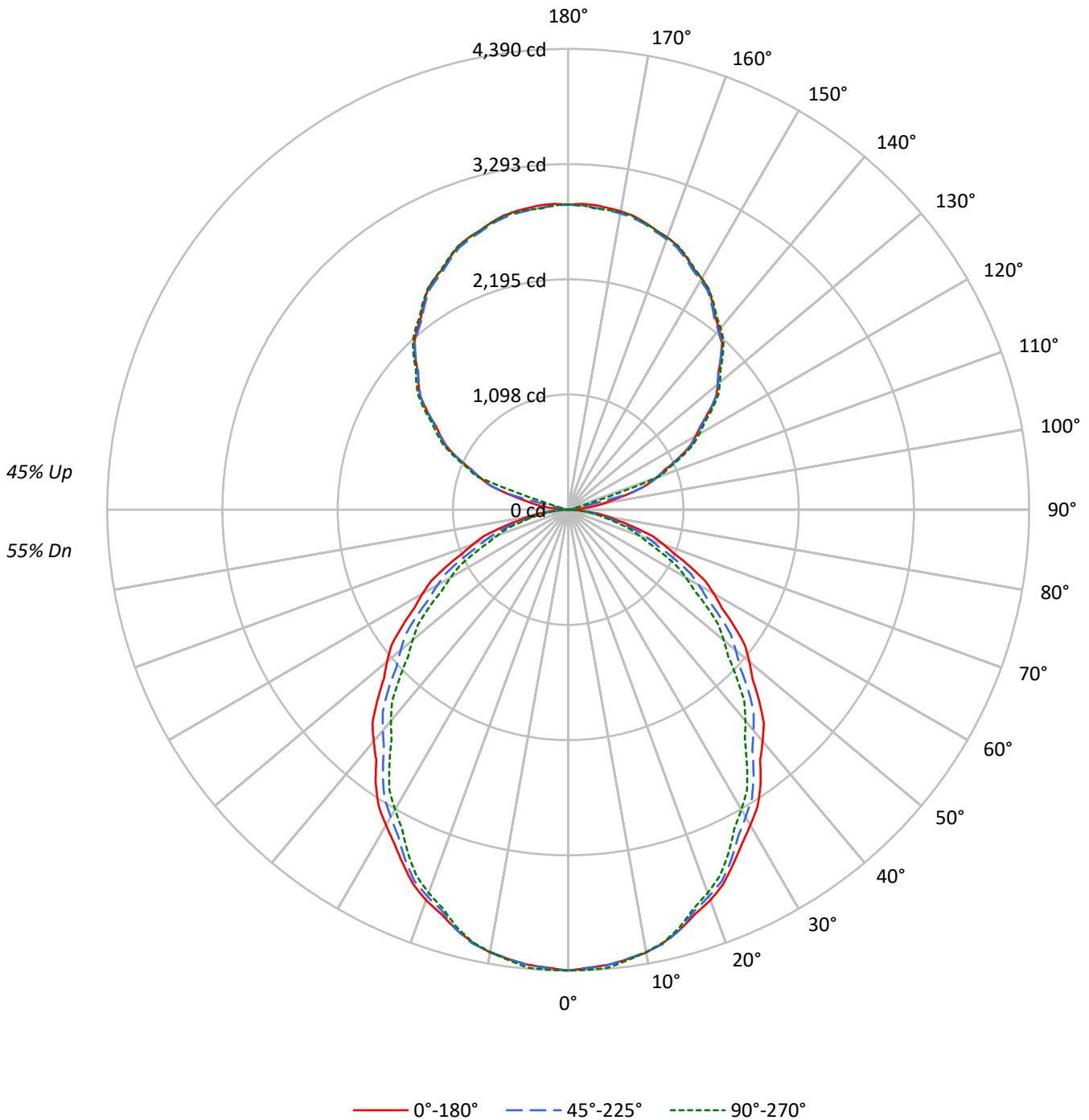
Lumens per Lamp: N/A
Luminaire Lumens: 19086.9 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 133.1
Input Voltage (V): 120
Input Current (A_{in}): 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

TEST NUMBER: P1439272

CATALOG NUMBER: CB3-085U-120D-940-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439272

CATALOG NUMBER: CB3-085U-120D-940-1D-UNV-STD-W-8

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	73	71	65	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	40
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	64	54	47	42	47	41	37	41	36	33	34	31	28	25
6	64	52	44	38	59	49	42	36	43	37	32	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	25	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24834	24834	24834
5°	24717	24734	24876
10°	24609	24572	24572
15°	24232	24232	24085
20°	23838	23594	23387
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20499
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18330	17013
55°	19004	17313	15898
60°	18132	16262	14640
65°	17112	15066	13314
70°	15935	13666	11861
75°	14448	11994	10564
80°	12595	10057	9344
85°	9717	8497	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20554 cd/sqm



TEST NUMBER: P1439272

CATALOG NUMBER: CB3-085U-120D-940-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.2	2.2
10°-20°	1163.6	6.1
20°-30°	1690.6	8.9
30°-40°	1922.1	10.1
40°-50°	1865.9	9.8
50°-60°	1575.4	8.3
60°-70°	1120.8	5.9
70°-80°	598.9	3.1
80°-90°	158.3	0.8
90°-100°	67.1	0.4
100°-110°	486.0	2.5
110°-120°	1155.6	6.1
120°-130°	1476.3	7.7
130°-140°	1592.4	8.3
140°-150°	1501.2	7.9
150°-160°	1224.6	6.4
160°-170°	797.9	4.2
170°-180°	275.8	1.4
0°-30°	3268.4	17.1
0°-40°	5190.5	27.2
0°-60°	8631.8	45.2
0°-90°	10509.8	55.1
90°-120°	1708.7	9.0
90°-150°	6278.7	32.9
90°-180°	8577.0	44.9
0°-180°	19086.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4390	4390	4390	4390	4390	
5°	4352	4407	4356	4350	4380	413
15°	4137	4174	4137	4112	4112	1165
25°	3723	3735	3676	3626	3610	1715
35°	3196	3165	3077	2986	2968	1991
45°	2569	2529	2422	2306	2273	1982
55°	1927	1875	1755	1642	1612	1723
65°	1278	1232	1126	1025	995	1266
75°	661	624	549	492	483	705
85°	150	138	131	131	131	177
90°	0	0	0	2	0	11
95°	123	22	28	31	31	151
105°	615	624	633	46	48	649
115°	1154	1163	1165	1183	1189	1139
125°	1640	1651	1647	1665	1675	1464
135°	2061	2072	2054	2070	2083	1587
145°	2398	2413	2383	2398	2411	1501
155°	2657	2678	2641	2648	2665	1225
165°	2832	2847	2816	2808	2827	800
175°	2913	2928	2889	2874	2882	277
180°	2906	2906	2906	2906	2906	

TEST NUMBER: P1439272

CATALOG NUMBER: CB3-085U-120D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4389.8	4389.8	4389.8	4389.8	4389.8
2.5°	4367.3	4411.2	4372.3	4377.5	4387.3
5°	4352.4	4407.2	4355.5	4350.0	4380.4
7.5°	4318.7	4368.7	4315.0	4302.5	4329.9
10°	4283.8	4338.7	4277.5	4262.3	4277.5
12.5°	4221.4	4278.7	4230.2	4204.9	4217.7
15°	4137.3	4173.8	4137.3	4112.3	4112.3
17.5°	4034.4	4072.8	4003.8	3986.2	3979.5
20°	3959.5	3993.1	3919.0	3893.9	3884.7
22.5°	3859.8	3890.9	3829.2	3786.6	3775.0
25°	3722.6	3734.8	3675.8	3625.6	3610.4
27.5°	3584.8	3587.8	3506.8	3445.9	3425.8
30°	3470.1	3473.1	3379.6	3313.8	3298.6
32.5°	3355.3	3346.2	3257.4	3179.2	3168.9
35°	3195.7	3165.2	3077.2	2986.4	2968.1
37.5°	3003.0	2984.7	2880.8	2789.8	2762.3
40°	2880.8	2850.3	2743.6	2652.6	2625.1
42.5°	2758.6	2723.2	2613.9	2512.8	2483.0
45°	2569.0	2529.4	2422.5	2306.4	2272.8
47.5°	2378.2	2334.9	2217.3	2104.9	2067.7
50°	2251.0	2205.3	2082.7	1972.6	1933.0
52.5°	2121.3	2073.1	1950.5	1838.1	1805.8
55°	1926.8	1874.9	1755.3	1642.4	1611.9
57.5°	1732.2	1681.0	1562.0	1455.2	1418.6
60°	1602.5	1553.7	1437.3	1330.4	1293.9
62.5°	1470.3	1424.0	1310.1	1205.8	1171.6
65°	1278.3	1232.5	1125.5	1025.0	994.6
67.5°	1088.1	1049.1	943.4	851.2	826.8
70°	963.4	926.8	826.2	741.5	717.1
72.5°	843.7	804.6	709.0	636.9	619.8
75°	661.0	624.4	548.7	492.4	483.3
77.5°	493.9	464.0	398.4	366.5	361.7
80°	386.6	359.2	308.7	286.8	286.8
82.5°	286.8	264.3	231.3	222.0	222.0
85°	149.7	137.5	130.9	130.9	130.9
87.5°	44.9	44.9	42.4	40.3	39.9
90°	0.0	0.0	0.0	2.1	0.0
92.5°	33.3	12.7	10.5	12.7	12.3
95°	122.6	22.0	28.5	30.7	30.7
97.5°	247.0	242.3	33.3	39.9	40.3
100°	341.7	352.4	35.0	41.7	43.8
102.5°	446.8	455.8	64.8	43.4	45.6
105°	615.4	624.0	632.9	46.0	48.2
107.5°	783.2	789.6	795.5	716.1	268.1
110°	893.6	900.0	902.3	924.3	928.6



TEST NUMBER: P1439272

CATALOG NUMBER: CB3-085U-120D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	996.9	1005.1	1009.2	1027.8	1035.5
115°	1154.2	1162.8	1165.1	1182.8	1189.2
117.5°	1303.6	1312.6	1316.7	1330.9	1341.2
120°	1401.7	1412.4	1414.8	1432.5	1441.1
122.5°	1498.0	1510.5	1509.4	1525.5	1537.5
125°	1640.4	1651.1	1647.0	1664.7	1675.4
127.5°	1775.7	1782.2	1773.1	1794.8	1803.8
130°	1861.6	1868.0	1857.2	1877.2	1887.9
132.5°	1940.4	1950.3	1937.8	1956.0	1966.7
135°	2060.9	2071.6	2054.3	2070.0	2082.8
137.5°	2168.2	2181.1	2160.3	2178.5	2189.7
140°	2238.3	2251.2	2225.2	2245.2	2258.0
142.5°	2303.1	2319.4	2288.2	2306.5	2321.1
145°	2398.2	2413.2	2382.8	2398.5	2411.3
147.5°	2488.4	2501.3	2472.2	2483.4	2492.4
150°	2542.7	2555.6	2523.0	2534.2	2544.9
152.5°	2586.5	2604.5	2572.1	2579.9	2595.7
155°	2656.6	2678.0	2641.3	2648.2	2665.4
157.5°	2721.0	2740.3	2703.5	2709.5	2724.5
160°	2759.5	2778.8	2742.0	2744.6	2759.5
162.5°	2789.3	2806.9	2775.3	2770.9	2789.3
165°	2831.8	2846.8	2816.5	2808.2	2827.4
167.5°	2867.3	2884.4	2847.2	2840.2	2862.0
170°	2886.6	2903.7	2864.7	2854.3	2877.8
172.5°	2898.8	2914.3	2876.9	2862.9	2881.3
175°	2912.9	2927.8	2888.8	2873.6	2882.2
177.5°	2916.8	2928.8	2897.5	2884.0	2904.5
180°	2906.3	2906.3	2906.3	2906.3	2906.3



TEST NUMBER: P1439272

CATALOG NUMBER: CB3-085U-120D-940-1D-UNV-STD-W-8

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	18.77	19.66	19.68	20.59	21.79	17.69	18.58	18.60	19.52	20.71
	3H	20.44	21.24	21.36	22.18	23.40	19.10	19.91	20.03	20.85	22.07
	4H	21.07	21.83	22.01	22.77	24.00	19.62	20.38	20.56	21.33	22.56
	6H	21.45	22.15	22.41	23.11	24.35	19.94	20.64	20.90	21.59	22.84
	8H	21.59	22.26	22.55	23.23	24.47	20.07	20.73	21.03	21.70	22.94
	12H	21.66	22.29	22.63	23.26	24.52	20.14	20.78	21.11	21.74	23.01
4H	2H	19.18	19.94	20.13	20.88	22.12	18.32	19.08	19.27	20.03	21.26
	3H	21.07	21.70	22.03	22.68	23.93	19.94	20.57	20.90	21.55	22.80
	4H	21.82	22.40	22.79	23.37	24.64	20.55	21.13	21.52	22.10	23.37
	6H	22.33	22.82	23.30	23.82	25.09	20.96	21.46	21.94	22.46	23.72
	8H	22.52	22.98	23.50	23.97	25.25	21.14	21.60	22.12	22.59	23.87
	12H	22.62	23.04	23.62	24.04	25.33	21.24	21.66	22.24	22.67	23.95
8H	4H	21.95	22.42	22.93	23.41	24.69	20.81	21.28	21.80	22.27	23.55
	6H	22.57	22.96	23.58	23.99	25.27	21.34	21.73	22.35	22.76	24.04
	8H	22.85	23.19	23.86	24.21	25.51	21.60	21.94	22.61	22.95	24.25
	12H	23.02	23.31	24.03	24.32	25.67	21.77	22.07	22.79	23.08	24.43
12H	4H	21.93	22.35	22.93	23.35	24.64	20.82	21.24	21.82	22.24	23.53
	6H	22.59	22.93	23.61	23.95	25.25	21.40	21.74	22.42	22.76	24.06
	8H	22.89	23.19	23.91	24.20	25.55	21.69	21.98	22.70	22.99	24.34