

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526780

Luminaire Tested: **GALN-SA1D-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526780  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1D-730-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5309 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

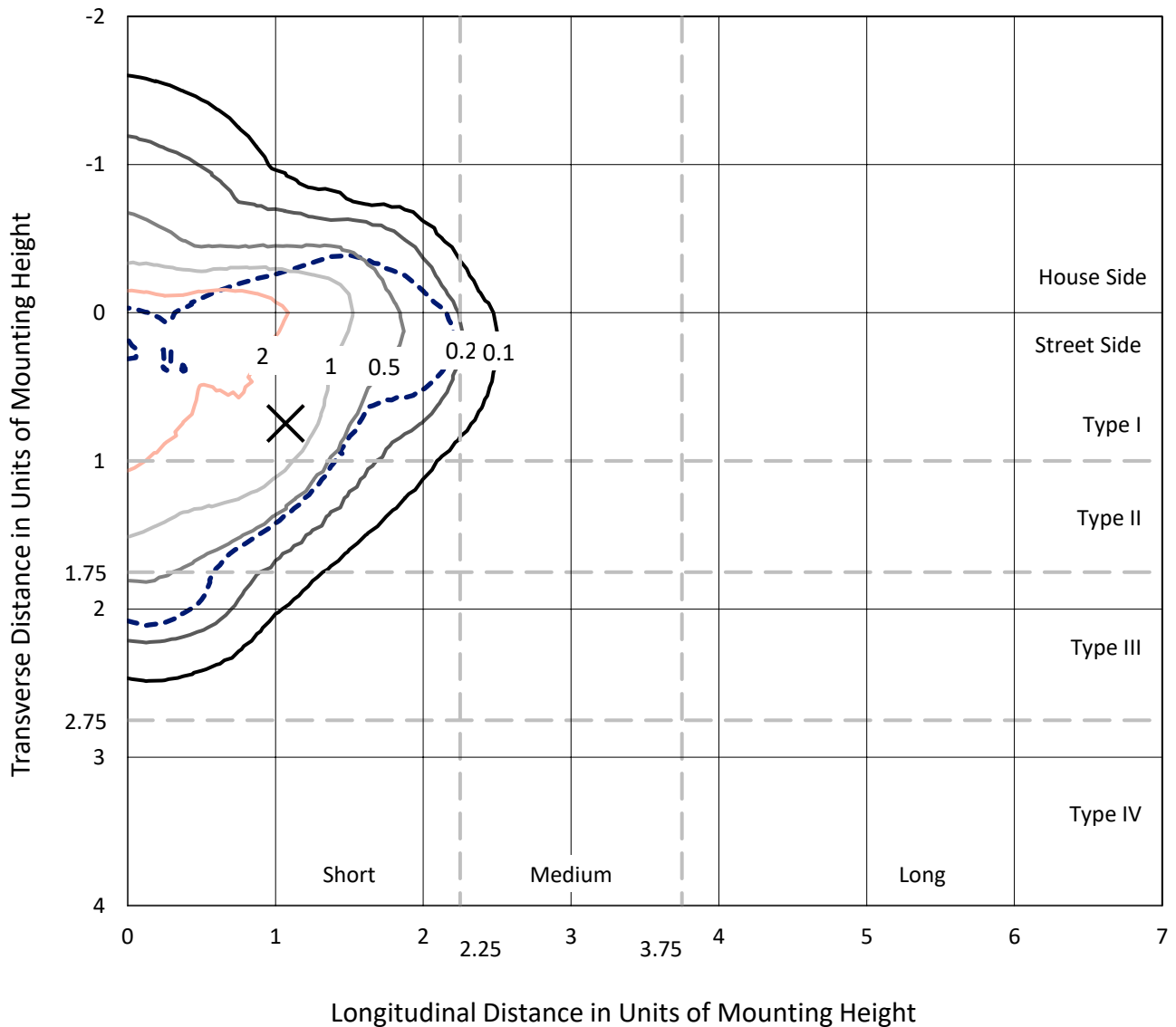
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

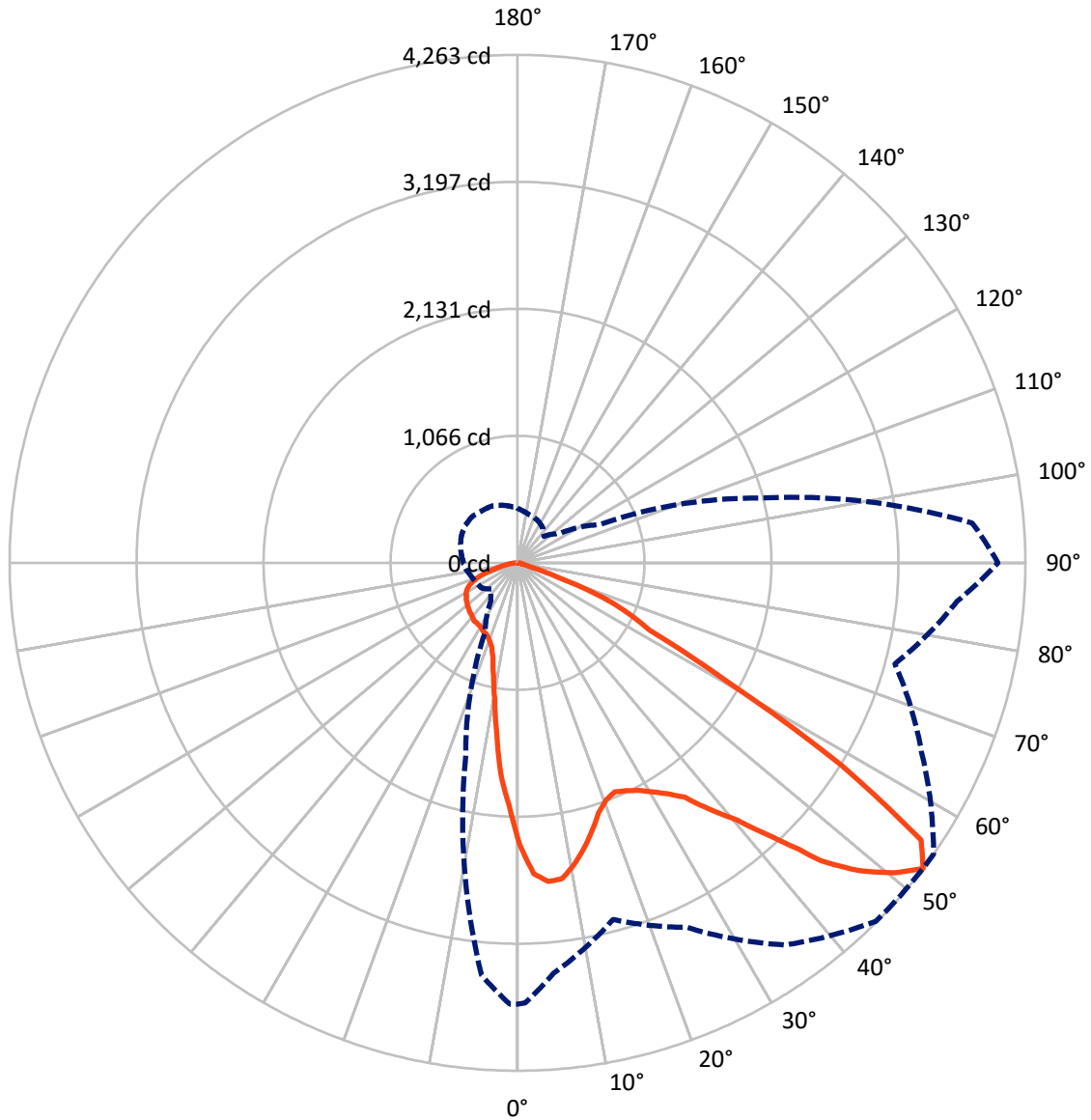
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1619.5	0.0	1619.5
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	3689.5	0.0	3689.5
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	5309.0	0.0	5309.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.9	3.4
10°-20°	390.1	7.3
20°-30°	591.5	11.1
30°-40°	854.7	16.1
40°-50°	1142.1	21.5
50°-60°	1274.8	24.0
60°-70°	699.3	13.2
70°-80°	151.2	2.8
80°-90°	24.5	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5309.0	100.0
0°-180°	5309.0	100.0

**Coefficient of Utilization**

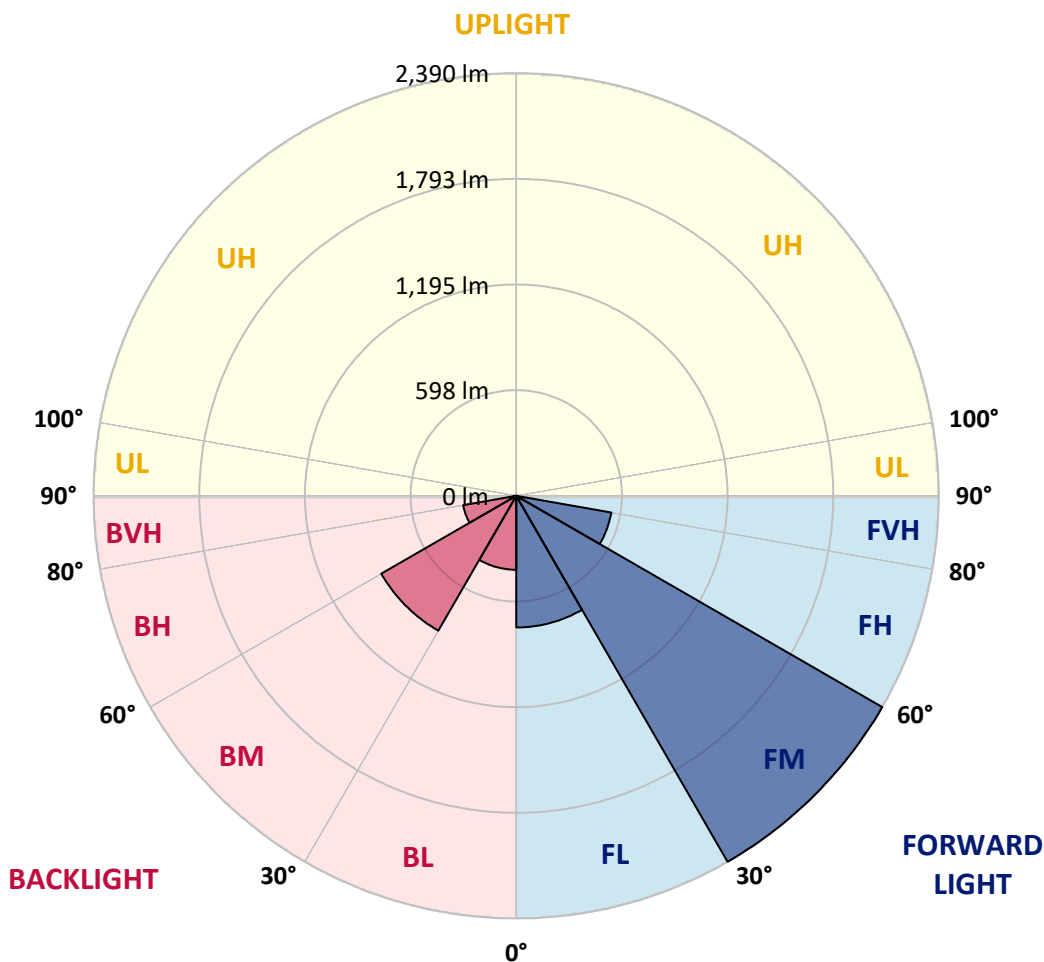


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	744.4	14.0			
FM (30°-60°)	2390.4	45.0			
FH (60°-80°)	545.6	10.3			G0/660
FVH (80°-90°)	9.1	0.2			G0/10
BL (0°-30°)	418.1	7.9	B1/500		
BM (30°-60°)	881.2	16.6	B1/1000		
BH (60°-80°)	304.8	5.7	B1/500		G1/500
BVH (80°-90°)	15.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2
2.5°	2485.3	2471.3	2483.7	2542.6	2576.8	2600.0	2614.7	2612.4	2556.6	2502.3	2502.3
5°	2412.4	2394.6	2420.2	2553.5	2687.6	2699.2	2718.6	2686.8	2604.7	2505.4	2381.4
7.5°	2201.6	2214.7	2257.4	2432.6	2607.0	2694.6	2717.8	2677.5	2544.2	2358.9	2176.8
10°	2019.4	2050.4	2148.8	2338.0	2498.5	2612.4	2638.0	2581.4	2476.0	2248.8	2086.1
12.5°	1956.6	1937.2	2046.5	2235.7	2389.2	2450.4	2462.0	2465.9	2394.6	2193.0	1994.6
15°	1948.8	1961.2	2046.5	2189.9	2284.5	2287.6	2307.0	2337.2	2346.5	2231.0	2037.2
17.5°	2060.5	2045.7	2133.3	2247.3	2202.3	2157.4	2162.0	2205.4	2282.2	2263.6	2171.3
20°	2225.6	2258.9	2327.9	2316.3	2195.4	2081.4	2082.2	2123.3	2274.4	2398.5	2358.1
22.5°	2500.0	2532.6	2583.7	2443.4	2195.4	2058.9	2032.6	2088.4	2324.0	2558.9	2569.0
25°	2750.4	2810.1	2824.0	2658.9	2305.4	2079.9	2062.8	2117.8	2373.7	2715.5	2810.9
27.5°	2978.3	3000.0	3061.3	2797.7	2366.7	2093.8	2092.3	2162.8	2436.4	2793.8	3027.1
30°	3158.1	3155.8	3190.7	2885.3	2464.3	2172.1	2096.9	2230.2	2518.6	2923.3	3227.1
32.5°	3280.6	3307.0	3380.6	3007.0	2505.4	2246.5	2187.6	2309.3	2618.6	2984.5	3368.2
35°	3496.1	3541.9	3448.8	3074.4	2635.7	2320.2	2251.2	2417.1	2668.2	3051.2	3541.1
37.5°	3699.2	3664.4	3569.8	3110.9	2720.2	2456.6	2392.3	2625.6	2822.5	3196.1	3655.8
40°	3829.5	3828.7	3660.5	3140.3	2779.9	2665.1	2661.2	2837.2	3011.6	3287.6	3784.5
42.5°	3886.1	3940.3	3697.7	3137.2	2905.4	2917.8	2996.1	3153.5	3145.7	3306.2	3781.4
44°	3963.6	3996.1	3762.0	3144.2	2989.2	3088.4	3272.9	3372.9	3262.8	3296.1	3777.5
45°	3960.5	3962.8	3670.6	3153.5	3060.5	3231.0	3396.1	3565.1	3365.9	3274.4	3828.7
47.5°	3869.8	3843.4	3593.0	3084.5	3283.0	3607.8	3760.5	3862.8	3493.0	3227.9	3765.1
50°	3690.7	3660.5	3404.7	3055.0	3329.5	3841.9	4052.7	4089.9	3608.5	3182.2	3702.3
52.5°	3703.1	3694.6	3458.2	3099.2	3376.0	3915.5	4253.5	4262.8	3739.5	3278.3	3703.1
55°	3924.8	3895.4	3611.6	3154.3	3341.9	3829.5	4125.6	4109.3	3695.4	3220.2	3771.3
57.5°	3591.5	3610.9	3399.2	2936.4	2924.8	3113.2	3243.4	3203.1	3083.7	2906.2	3508.5
60°	2897.7	2952.7	2972.9	2455.8	2207.0	2110.1	2071.3	2000.0	2020.2	2387.6	3082.2
62.5°	2485.3	2482.2	2608.5	2226.4	1445.7	1243.4	1224.8	1241.1	1473.6	2350.4	3018.6
65°	1970.5	2023.3	2062.0	1886.8	1144.2	923.3	922.5	1025.6	1275.2	1964.3	2437.2
67.5°	1251.2	1320.2	1368.2	1207.0	765.1	657.4	639.5	763.6	883.7	1288.4	1467.4
70°	705.4	738.0	759.7	696.1	486.8	341.1	320.9	350.4	534.1	834.1	869.8
72.5°	272.1	286.8	316.3	318.6	183.7	110.1	89.1	107.0	224.8	330.2	314.7
75°	41.9	45.0	63.6	76.0	52.7	40.3	42.6	44.2	62.8	85.3	71.3
77.5°	20.2	20.2	19.4	22.5	26.4	28.7	31.0	34.1	37.2	41.1	39.5
80°	13.2	13.2	13.2	15.5	19.4	23.3	26.4	27.9	29.5	32.6	31.0
82.5°	8.5	8.5	8.5	11.6	15.5	19.4	20.9	24.8	27.9	32.6	30.2
85°	4.7	4.7	4.7	7.8	11.6	16.3	15.5	12.4	7.0	0.8	1.6
87.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2
2.5°	2437.2	2401.6	2398.5	2325.6	2260.5	2228.7	2203.1	2131.8	2147.3	2106.2	2105.4
5°	2319.4	2246.5	2128.7	2031.8	1934.9	1915.5	1831.0	1757.4	1759.7	1707.0	1716.3
7.5°	2107.8	2057.4	1914.0	1762.0	1633.3	1541.9	1462.0	1414.0	1352.7	1331.8	1320.9
10°	1973.6	1911.6	1750.4	1559.7	1415.5	1366.7	1289.9	1247.3	1184.5	1153.5	1131.8
12.5°	1914.7	1824.0	1622.5	1428.7	1332.6	1282.2	1217.1	1139.5	1065.1	1036.4	996.9
15°	1920.9	1812.4	1585.3	1376.0	1260.5	1162.8	1104.7	1018.6	942.6	892.3	863.6
17.5°	2014.7	1883.0	1602.3	1335.7	1169.8	1047.3	933.3	840.3	779.8	741.9	732.6
20°	2236.4	2057.4	1631.0	1270.5	1079.1	926.4	786.0	689.1	642.6	641.9	642.6
22.5°	2420.9	2243.4	1689.2	1231.8	988.4	771.3	631.8	600.8	591.5	610.9	613.2
25°	2669.8	2452.7	1789.2	1211.6	904.7	657.4	571.3	559.7	558.9	583.7	584.5
27.5°	2924.8	2635.7	1848.8	1152.7	819.4	598.5	534.9	532.6	545.0	571.3	569.0
30°	3098.5	2789.2	1956.6	1082.2	718.6	546.5	520.2	523.3	540.3	560.5	563.6
32.5°	3300.8	2940.3	1984.5	1043.4	656.6	503.1	484.5	491.5	513.2	545.0	562.0
35°	3532.6	3047.3	2027.1	990.7	633.3	469.8	460.5	468.2	494.6	515.5	534.1
37.5°	3703.9	3236.4	2034.9	949.6	607.8	451.2	436.4	462.0	477.5	507.0	516.3
40°	3831.0	3373.7	2055.0	924.0	587.6	427.1	427.1	444.2	465.1	492.2	510.9
42.5°	3912.4	3473.7	2069.8	900.8	548.8	420.2	416.3	433.3	461.2	487.6	496.1
44°	3962.0	3516.3	2055.0	879.1	538.0	411.6	411.6	426.4	448.1	479.1	489.1
45°	3974.4	3569.8	2022.5	878.3	524.8	401.6	400.0	427.9	442.6	480.6	486.8
47.5°	4022.5	3635.7	2026.4	853.5	493.0	377.5	404.7	417.1	430.2	463.6	484.5
50°	4020.9	3676.8	2017.8	817.1	469.8	350.4	395.4	409.3	422.5	456.6	465.1
52.5°	4031.8	3830.2	2096.1	758.9	427.9	315.5	364.3	395.4	411.6	440.3	458.1
55°	4026.4	3917.8	2173.7	715.5	369.0	294.6	338.0	374.4	397.7	427.9	436.4
57.5°	3677.5	3462.8	2011.6	634.1	305.4	269.8	300.8	352.7	382.2	413.2	424.0
60°	3004.7	2669.0	1658.9	466.7	251.2	248.1	279.8	345.7	358.1	385.3	403.9
62.5°	2776.8	2341.1	1315.5	356.6	214.7	227.1	258.1	312.4	331.8	365.1	382.2
65°	2172.9	1555.0	814.7	241.1	189.1	203.9	233.3	273.6	305.4	336.4	356.6
67.5°	1286.8	849.6	403.1	169.0	165.1	180.6	210.9	241.1	277.5	311.6	321.7
70°	700.8	417.8	172.1	128.7	140.3	154.3	183.7	204.7	239.5	265.9	282.9
72.5°	224.8	127.1	86.0	95.3	107.0	123.3	141.1	166.7	191.5	207.0	220.9
75°	54.3	53.5	61.2	66.7	77.5	89.9	104.7	117.8	137.2	151.9	164.3
77.5°	38.0	41.1	47.3	55.0	58.9	63.6	72.9	82.9	91.5	102.3	110.1
80°	29.5	31.8	36.4	40.3	44.2	48.1	52.7	56.6	62.0	69.0	72.9
82.5°	27.9	29.5	34.1	36.4	34.9	34.1	37.2	38.8	39.5	41.9	44.2
85°	2.3	0.0	1.6	5.4	13.2	19.4	20.9	20.9	20.2	21.7	21.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.1	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2
2.5°	2096.1	2069.8	2079.9	2092.3	2074.4	2033.3	2044.2	2039.5	2081.4	2078.3	2120.2
5°	1757.4	1716.3	1720.9	1781.4	1762.0	1783.0	1741.1	1735.7	1743.4	1747.3	1754.3
7.5°	1345.0	1339.5	1386.1	1437.2	1461.2	1436.4	1395.4	1386.1	1377.5	1360.5	1399.2
10°	1097.7	1099.2	1096.1	1134.9	1162.0	1156.6	1131.8	1128.7	1112.4	1106.2	1127.9
12.5°	979.8	958.9	948.8	936.4	957.4	971.3	960.5	952.7	953.5	961.2	964.3
15°	865.9	852.7	831.0	817.1	827.1	820.2	816.3	831.8	827.9	826.4	845.0
17.5°	738.0	748.8	747.3	731.8	745.0	739.5	738.8	727.9	713.2	702.3	708.5
20°	653.5	673.6	689.1	689.9	696.9	696.1	684.5	651.2	640.3	638.0	639.5
22.5°	623.3	634.1	652.7	679.1	679.1	666.7	652.7	614.0	603.9	593.0	588.4
25°	599.2	620.2	644.2	647.3	659.7	648.1	625.6	606.2	585.3	570.5	570.5
27.5°	586.8	610.1	627.9	633.3	650.4	641.1	617.8	593.0	568.2	567.4	554.3
30°	581.4	603.1	614.7	627.9	635.7	620.9	614.0	587.6	562.8	556.6	534.9
32.5°	565.1	596.1	617.8	614.7	620.9	614.7	604.7	582.9	555.0	541.1	538.8
35°	546.5	577.5	600.8	617.1	620.9	607.8	601.6	572.1	534.1	527.1	503.1
37.5°	536.4	555.0	583.7	610.1	615.5	608.5	587.6	557.4	519.4	511.6	490.7
40°	524.0	548.1	570.5	592.2	608.5	591.5	567.4	538.0	520.9	497.7	491.5
42.5°	514.7	541.9	560.5	584.5	603.1	580.6	552.7	532.6	508.5	493.0	475.2
44°	511.6	536.4	548.8	578.3	593.8	576.7	553.5	532.6	504.7	490.7	475.2
45°	500.8	534.9	548.1	574.4	587.6	573.6	544.2	523.3	503.1	486.0	469.8
47.5°	489.9	513.2	535.7	556.6	565.9	561.2	536.4	510.9	486.8	476.7	461.2
50°	486.8	510.1	531.0	550.4	561.2	551.9	529.5	504.7	476.7	460.5	447.3
52.5°	471.3	500.0	523.3	529.5	543.4	538.0	520.9	493.8	467.4	453.5	442.6
55°	448.8	479.1	510.9	518.6	538.8	530.2	504.7	479.1	456.6	435.7	421.7
57.5°	440.3	469.8	500.8	510.9	523.3	509.3	503.1	476.0	440.3	429.5	407.8
60°	418.6	455.8	481.4	504.7	505.4	501.6	490.7	459.7	430.2	410.1	394.6
62.5°	401.6	436.4	456.6	478.3	491.5	480.6	469.8	441.1	409.3	386.8	369.0
65°	376.7	408.5	425.6	438.8	453.5	451.9	433.3	412.4	379.1	361.2	344.2
67.5°	338.8	366.7	389.9	402.3	411.6	409.3	395.4	380.6	346.5	328.7	316.3
70°	293.0	321.7	336.4	343.4	352.7	357.4	346.5	339.5	309.3	286.0	274.4
72.5°	235.7	254.3	276.0	282.2	286.0	289.1	289.1	282.9	251.9	242.6	222.5
75°	173.6	188.4	204.7	204.7	211.6	212.4	214.0	210.1	186.8	174.4	169.8
77.5°	117.8	128.7	141.9	147.3	151.9	151.2	150.4	139.5	127.1	121.7	117.1
80°	76.7	87.6	93.8	100.8	105.4	104.7	106.2	98.4	93.0	83.7	85.3
82.5°	45.7	54.3	60.5	69.0	69.0	71.3	71.3	69.0	63.6	58.9	58.9
85°	21.7	28.7	32.6	38.0	41.1	41.9	37.2	31.8	26.4	24.0	26.4
87.5°	3.9	5.4	7.8	7.0	8.5	7.8	7.8	7.8	7.8	6.2	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P526780  
 CATALOG NUMBER: GALN-SA1D-730-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2	2368.2
2.5°	2104.7	2143.4	2170.5	2215.5	2293.0	2355.0	2418.6	2465.9	2471.3	2485.3
5°	1779.9	1800.8	1869.8	1959.7	2023.3	2127.9	2195.4	2317.8	2363.6	2412.4
7.5°	1389.9	1424.0	1516.3	1576.7	1716.3	1847.3	1983.0	2134.1	2194.6	2201.6
10°	1172.1	1221.7	1284.5	1381.4	1457.4	1603.1	1772.1	1940.3	2007.8	2019.4
12.5°	1029.5	1093.0	1176.7	1246.5	1319.4	1446.5	1608.5	1816.3	1903.9	1956.6
15°	892.3	958.1	1050.4	1147.3	1211.6	1363.6	1554.3	1788.4	1902.3	1948.8
17.5°	751.2	812.4	888.4	993.0	1122.5	1293.0	1545.7	1881.4	2006.2	2060.5
20°	630.2	664.3	752.7	860.5	1022.5	1220.9	1548.8	2018.6	2201.6	2225.6
22.5°	582.9	590.7	625.6	724.8	902.3	1147.3	1603.9	2213.2	2420.9	2500.0
25°	546.5	545.0	554.3	620.9	814.7	1118.6	1658.1	2392.3	2664.3	2750.4
27.5°	526.4	510.9	511.6	574.4	752.7	1072.1	1727.9	2597.7	2940.3	2978.3
30°	516.3	513.2	503.9	529.5	685.3	1002.3	1739.5	2800.0	3103.1	3158.1
32.5°	510.1	479.8	468.2	477.5	621.7	926.4	1783.0	2933.3	3304.7	3280.6
35°	479.1	451.9	444.2	453.5	576.7	883.7	1754.3	3049.6	3455.8	3496.1
37.5°	467.4	443.4	427.9	420.2	534.9	848.1	1739.5	3228.7	3602.3	3699.2
40°	456.6	431.0	412.4	404.7	502.3	800.8	1734.9	3366.7	3771.3	3829.5
42.5°	444.2	427.9	407.0	393.0	462.8	753.5	1681.4	3409.3	3823.3	3886.1
44°	440.3	415.5	393.8	389.1	447.3	729.5	1670.5	3448.1	3868.2	3963.6
45°	436.4	413.2	388.4	382.2	441.9	716.3	1655.8	3457.4	3942.6	3960.5
47.5°	425.6	410.9	386.8	369.8	430.2	687.6	1611.6	3404.7	3866.7	3869.8
50°	417.1	400.0	375.2	341.9	414.7	663.6	1631.8	3385.3	3683.7	3690.7
52.5°	407.8	382.2	368.2	310.9	389.1	643.4	1674.4	3472.9	3704.7	3703.1
55°	396.9	369.0	334.9	284.5	346.5	617.8	1777.5	3645.7	3898.5	3924.8
57.5°	379.8	355.8	307.0	261.2	297.7	569.0	1744.2	3314.7	3586.8	3591.5
60°	357.4	334.9	278.3	243.4	244.2	448.8	1559.7	2583.0	2830.2	2897.7
62.5°	335.7	323.3	254.3	217.8	207.8	357.4	1318.6	2146.5	2429.5	2485.3
65°	310.1	279.8	233.3	198.5	178.3	250.4	934.1	1603.9	1895.4	1970.5
67.5°	277.5	245.0	205.4	174.4	152.7	167.4	482.2	911.6	1207.0	1251.2
70°	242.6	212.4	172.9	147.3	123.3	115.5	212.4	434.9	659.7	705.4
72.5°	199.2	171.3	138.0	116.3	92.2	79.8	71.3	116.3	234.1	272.1
75°	144.2	124.8	103.9	82.9	65.1	51.2	41.9	34.9	38.8	41.9
77.5°	106.2	90.7	76.7	58.9	45.7	36.4	28.7	21.7	20.9	20.2
80°	82.9	73.6	61.2	47.3	35.7	27.1	20.2	14.7	13.2	13.2
82.5°	65.1	60.5	50.4	38.8	29.5	21.7	14.7	10.1	8.5	8.5
85°	24.8	24.8	36.4	31.8	22.5	15.5	10.1	5.4	4.7	4.7
87.5°	6.2	6.2	6.2	6.2	5.4	4.7	4.7	2.3	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)