

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: P526986

Luminaire Tested: **GALN-SA2A-727-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-727-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6507 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

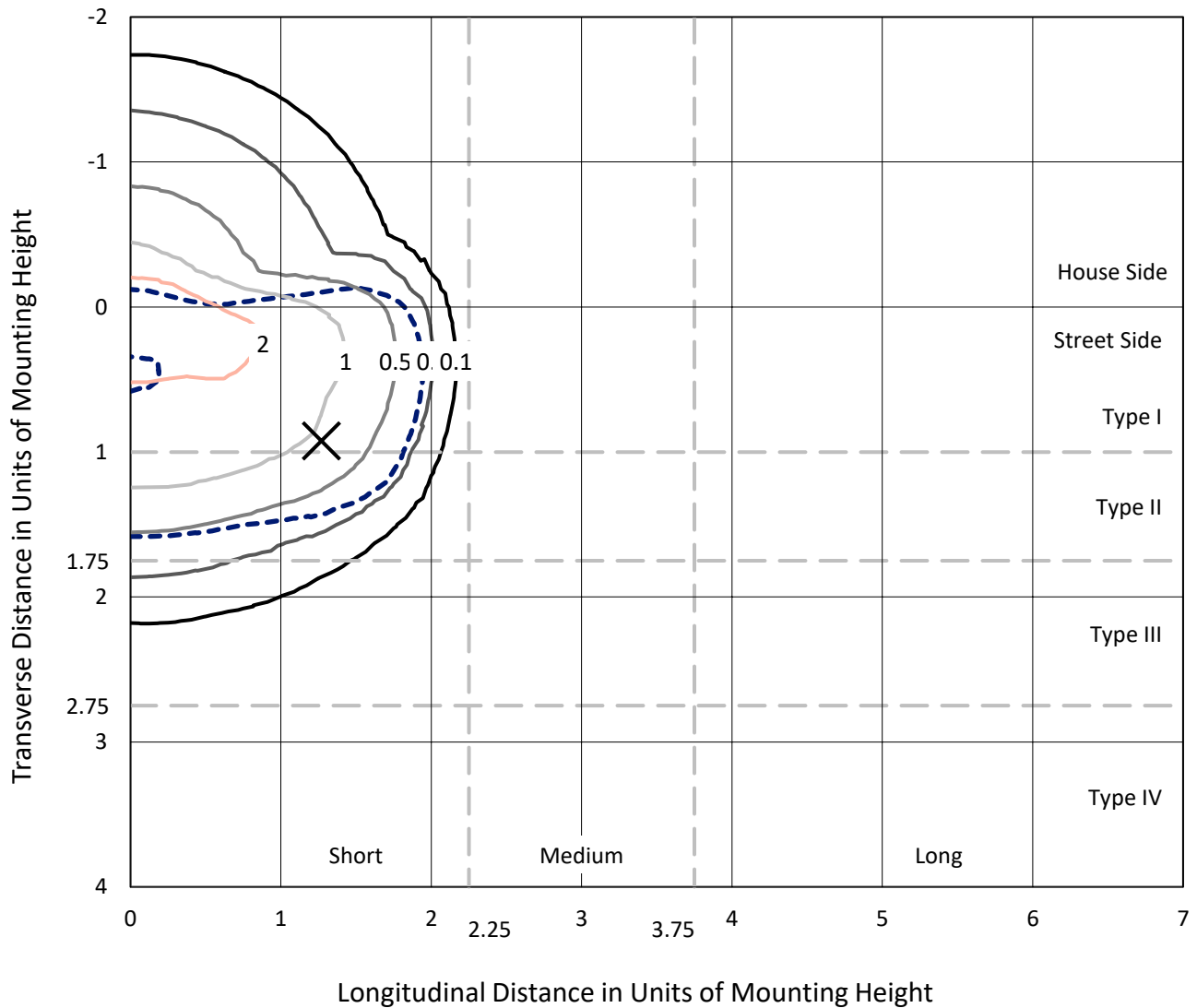
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526986
 CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

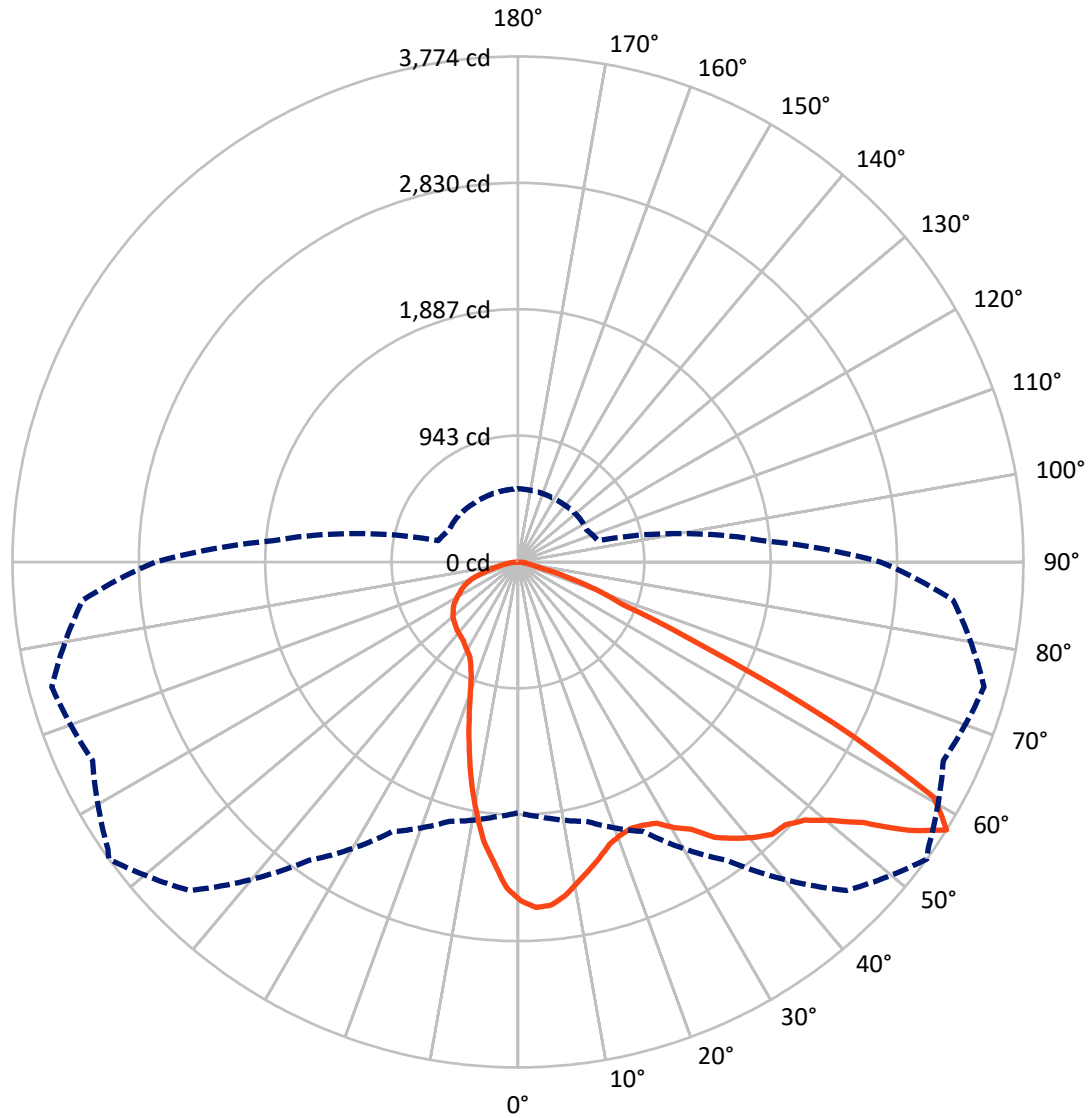
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P526986
CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P526986
 CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1800.2	0.0	1800.2
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	4706.8	0.0	4706.8
	% Fixture	72.3	0.0	72.3
Total	Lumens	6507.0	0.0	6507.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.1	3.4
10°-20°	505.0	7.8
20°-30°	709.6	10.9
30°-40°	992.0	15.2
40°-50°	1343.0	20.6
50°-60°	1635.8	25.1
60°-70°	852.0	13.1
70°-80°	218.3	3.4
80°-90°	33.3	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°	6507.0	100.0
0°-180°	6507.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526986

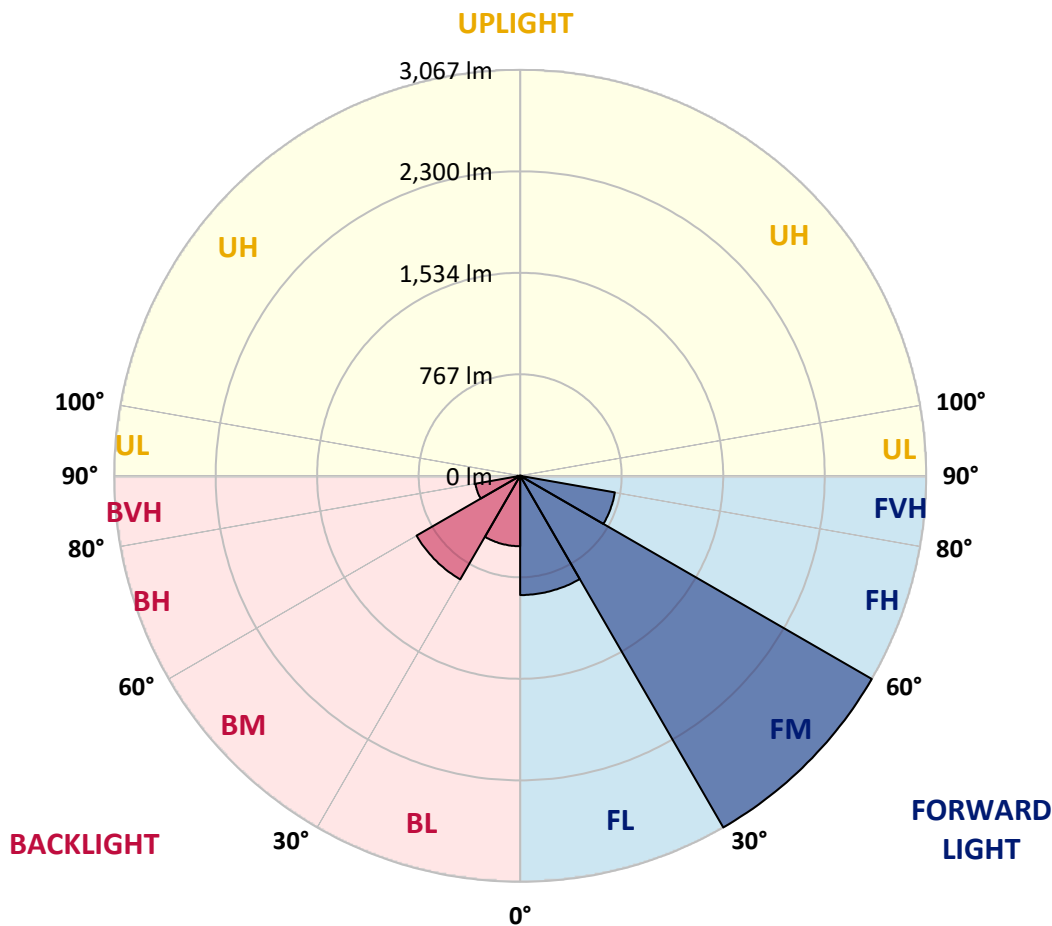
CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	900.7	13.8			
FM (30°-60°)	3067.2	47.1			
FH (60°-80°)	726.4	11.2			G1/1800
FVH (80°-90°)	12.6	0.2			G1/100
BL (0°-30°)	532.1	8.2	B2/1000		
BM (30°-60°)	903.5	13.9	B1/1000		
BH (60°-80°)	343.9	5.3	B1/500		G1/500
BVH (80°-90°)	20.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





REPORT NUMBER: P526986

CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2
2.5°	2601.1	2591.1	2592.8	2606.1	2589.4	2582.7	2582.7	2550.1	2552.6	2530.0	2524.2
5°	2540.9	2517.5	2533.4	2553.5	2556.8	2563.5	2574.4	2566.0	2542.6	2518.3	2479.0
7.5°	2383.7	2404.6	2410.4	2424.6	2454.8	2482.4	2516.7	2493.2	2492.4	2468.1	2444.7
10°	2245.7	2233.1	2264.9	2285.8	2336.0	2382.0	2434.7	2432.2	2444.7	2417.1	2377.0
12.5°	2108.5	2098.5	2113.5	2161.2	2231.4	2298.4	2361.1	2337.7	2404.6	2399.6	2313.4
15°	1963.0	1970.5	1992.2	2036.6	2128.6	2208.9	2288.3	2289.2	2348.5	2368.6	2253.2
17.5°	1860.9	1852.6	1880.2	1946.2	2028.2	2124.4	2214.7	2233.1	2324.3	2336.0	2234.8
20°	1784.8	1796.5	1832.5	1866.0	1960.5	2076.7	2178.8	2185.4	2319.3	2351.0	2205.5
22.5°	1766.4	1759.7	1771.4	1825.8	1903.6	2029.9	2159.5	2184.6	2318.4	2346.0	2150.3
25°	1747.2	1768.9	1768.1	1822.5	1879.3	1992.2	2175.4	2203.0	2362.8	2372.0	2157.8
27.5°	1790.7	1788.2	1811.6	1815.8	1886.0	2002.3	2208.9	2229.8	2436.4	2428.8	2163.7
30°	1834.2	1821.6	1835.8	1885.2	1917.8	2060.0	2300.9	2299.2	2531.7	2526.7	2182.1
32.5°	1887.7	1881.8	1891.0	1934.5	1989.7	2136.9	2378.6	2428.0	2628.7	2660.5	2245.7
35°	1897.7	1922.0	1943.7	2002.3	2080.9	2261.6	2525.0	2566.0	2740.8	2840.3	2366.9
37.5°	1961.3	1970.5	2021.5	2125.2	2197.2	2428.0	2617.9	2643.8	2842.8	2955.7	2494.9
40°	2029.0	2039.9	2116.9	2225.6	2324.3	2536.7	2704.8	2713.2	2875.5	3044.4	2578.5
42.5°	2121.0	2131.1	2207.2	2343.5	2475.7	2629.6	2781.8	2791.0	2872.9	3146.4	2711.5
45°	2216.4	2240.6	2330.1	2484.9	2603.6	2738.3	2799.3	2837.0	2896.4	3237.6	2819.4
47.5°	2350.2	2372.8	2446.4	2597.8	2736.6	2833.6	2880.5	2917.3	2952.4	3317.1	2888.8
50°	2492.4	2496.6	2586.1	2723.2	2825.3	2941.5	3031.9	3044.4	3026.0	3409.1	3006.8
52.5°	2596.9	2610.3	2679.7	2813.6	2965.8	3108.8	3232.6	3246.0	3210.0	3443.4	3046.9
55°	2423.8	2416.3	2529.2	2707.3	3060.3	3358.0	3537.9	3547.9	3343.8	3549.6	3178.2
57.5°	1873.5	1909.4	2005.6	2220.6	2719.1	3468.4	3773.7	3737.8	3504.4	3603.1	3261.9
60°	1361.6	1353.3	1417.7	1561.5	2049.1	2989.2	3568.0	3604.8	3373.1	3247.6	2689.8
62.5°	1109.0	1097.3	1102.3	1107.4	1322.3	1983.9	2641.3	2640.4	2597.8	2334.3	1814.1
65°	886.6	914.2	916.7	954.3	981.9	1185.1	1530.6	1612.5	1404.3	1151.7	835.5
67.5°	668.3	658.2	691.7	825.5	877.4	855.6	835.5	844.7	600.5	433.2	408.2
70°	393.9	389.8	429.9	575.4	722.6	680.0	629.8	630.6	412.3	302.8	337.1
72.5°	215.8	214.9	223.3	291.9	410.7	426.6	378.0	389.8	245.9	245.1	263.5
75°	120.4	117.9	115.4	128.8	148.0	156.4	159.7	161.4	168.9	189.0	196.5
77.5°	44.3	42.7	42.7	49.3	62.7	78.6	99.5	101.2	119.6	137.2	144.7
80°	15.1	16.7	22.6	30.9	41.8	56.0	67.7	69.4	84.5	96.2	98.7
82.5°	9.2	10.0	15.1	21.7	30.1	39.3	50.2	51.0	62.7	70.3	73.6
85°	4.2	5.0	8.4	13.4	19.2	25.9	26.8	26.8	25.9	26.8	25.1
87.5°	0.0	0.0	1.7	1.7	1.7	2.5	3.3	2.5	4.2	5.0	5.0
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: P526986

CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2
2.5°	2506.6	2497.4	2469.0	2443.9	2436.4	2402.9	2353.6	2359.4	2323.4	2340.2	2322.6
5°	2472.3	2441.4	2368.6	2337.7	2256.5	2219.7	2194.6	2131.9	2102.6	2096.8	2071.7
7.5°	2384.5	2365.3	2274.1	2190.5	2104.3	2030.7	1936.2	1871.8	1825.8	1813.3	1776.5
10°	2315.1	2272.4	2146.1	2019.0	1896.1	1768.1	1645.1	1549.0	1502.1	1447.8	1429.4
12.5°	2246.5	2182.1	2011.5	1848.4	1689.5	1528.1	1379.2	1262.1	1160.1	1135.8	1127.4
15°	2203.8	2091.8	1891.0	1694.5	1468.7	1257.9	1109.0	1032.1	969.4	943.4	961.8
17.5°	2147.8	2017.3	1775.6	1513.8	1265.4	1071.4	946.8	899.1	876.5	879.0	871.5
20°	2077.6	1947.1	1624.2	1349.9	1083.9	929.2	858.1	840.6	843.9	849.8	847.2
22.5°	2027.4	1861.8	1514.7	1182.6	936.7	850.6	821.3	808.8	819.6	824.7	820.5
25°	1988.9	1789.0	1381.7	1034.6	851.4	806.3	792.9	792.0	808.8	815.5	811.3
27.5°	1953.8	1721.3	1249.5	921.7	794.6	772.0	767.8	777.8	788.7	795.4	801.2
30°	1932.9	1669.4	1125.8	827.2	766.1	755.2	747.7	756.9	762.8	769.5	766.1
32.5°	1952.9	1632.6	1006.2	773.6	742.7	731.8	741.9	736.0	746.0	751.9	742.7
35°	2015.7	1600.0	920.8	745.2	715.9	720.1	721.8	719.3	723.5	718.4	729.3
37.5°	2077.6	1588.3	842.2	721.0	703.4	703.4	701.7	696.7	705.1	703.4	708.4
40°	2156.2	1595.8	775.3	695.0	691.7	690.0	683.3	682.5	679.1	680.0	681.6
42.5°	2224.8	1612.5	736.8	678.3	680.8	684.2	671.6	661.6	665.8	657.4	657.4
45°	2297.5	1627.6	702.6	666.6	664.1	663.2	653.2	647.4	644.0	644.8	652.4
47.5°	2412.1	1649.3	676.6	650.7	652.4	639.8	637.3	629.8	633.1	638.2	639.0
50°	2493.2	1695.3	656.6	632.3	638.2	629.8	614.7	611.4	611.4	619.8	618.1
52.5°	2550.1	1759.7	637.3	612.2	614.7	608.0	603.0	595.5	590.5	602.2	608.0
55°	2724.1	1866.8	632.3	595.5	594.7	588.0	578.8	571.2	568.7	570.4	582.1
57.5°	2707.3	1833.3	616.4	566.2	564.6	555.4	546.2	543.6	542.8	544.5	547.8
60°	2198.0	1354.1	550.3	532.8	530.3	528.6	519.4	509.4	504.3	509.4	505.2
62.5°	1454.5	906.6	485.1	492.6	494.3	490.1	475.1	465.0	466.7	472.6	463.4
65°	714.3	532.8	439.9	460.0	461.7	450.0	435.8	424.0	418.2	423.2	419.0
67.5°	408.2	407.3	403.1	424.0	423.2	411.5	388.9	378.9	368.8	370.5	368.0
70°	346.3	353.0	361.3	373.9	373.0	359.6	332.9	325.3	311.1	309.5	305.3
72.5°	272.7	284.4	302.8	312.0	304.4	287.7	270.1	257.6	245.1	237.5	240.0
75°	202.4	219.1	229.2	235.0	223.3	214.1	199.9	184.8	169.8	163.1	160.6
77.5°	147.2	152.2	161.4	165.6	158.1	148.9	140.5	125.5	111.2	102.0	99.5
80°	102.9	106.2	112.9	112.9	112.9	108.7	97.9	82.8	73.6	65.2	63.6
82.5°	71.9	75.3	82.0	78.6	77.8	72.8	66.1	54.4	44.3	38.5	36.8
85°	25.1	27.6	33.5	40.1	42.7	41.8	37.6	30.1	23.4	19.2	17.6
87.5°	5.9	5.9	6.7	5.9	5.9	6.7	5.9	5.9	5.9	4.2	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)