

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: P594142

Luminaire Tested: **ISC-PA1C-735-U-T3**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISC-PA1C-735-U-T3
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6374 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

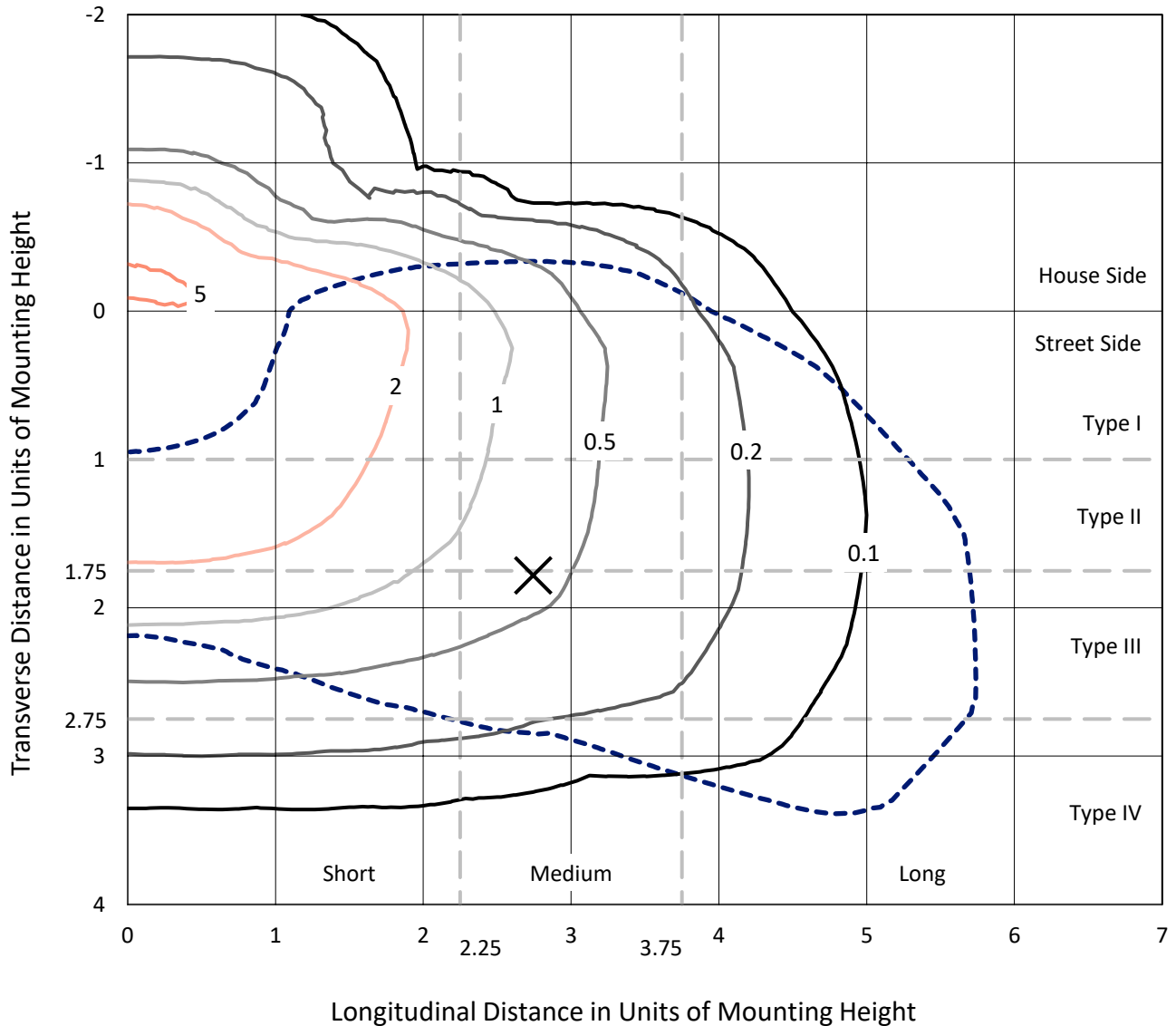
Input Watts (W): 48.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

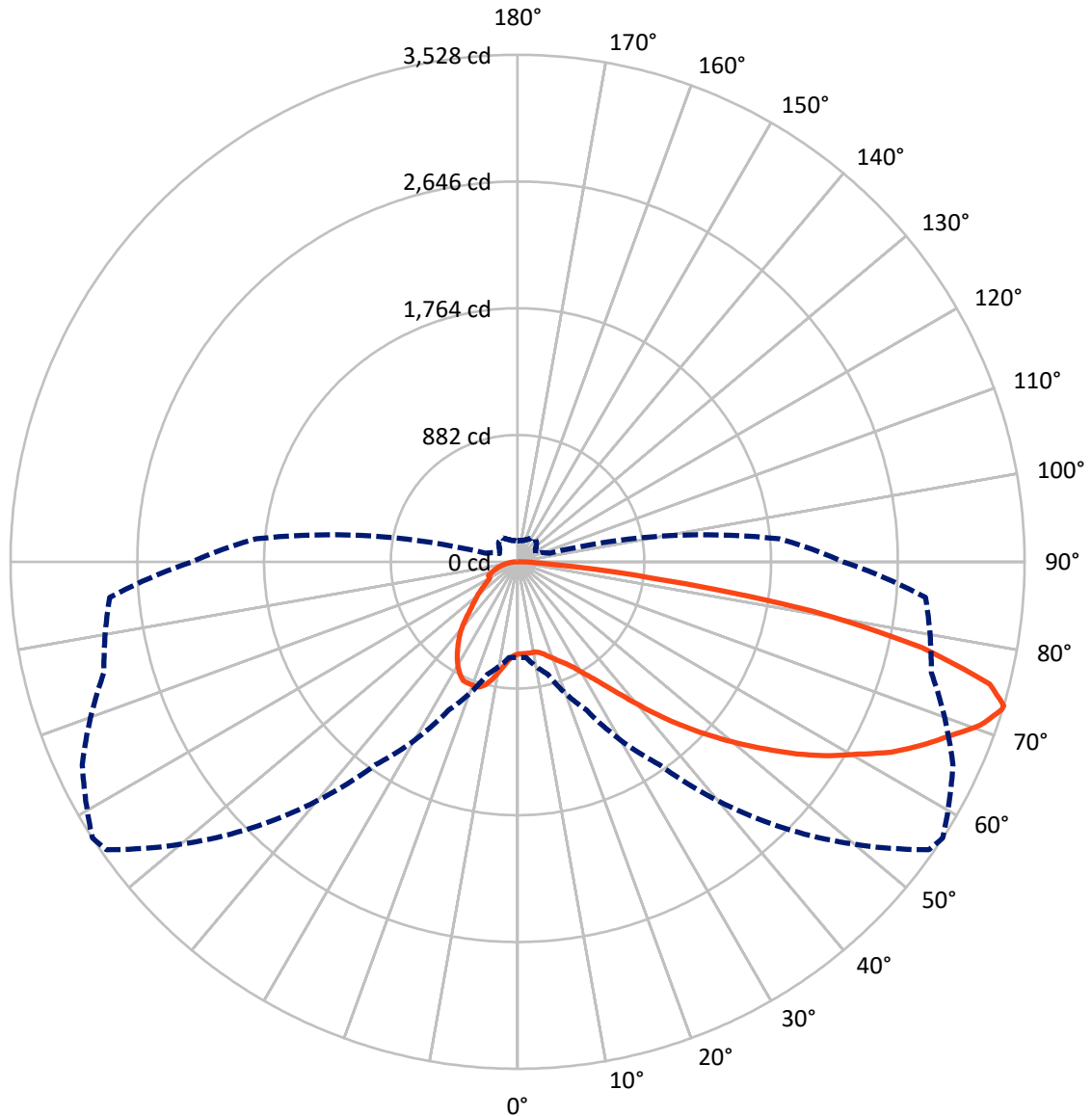
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1520.6	0.0	1520.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4853.4	0.0	4853.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	6374.0	0.0	6374.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	1.0
10°-20°	210.9	3.3
20°-30°	389.3	6.1
30°-40°	601.1	9.4
40°-50°	904.8	14.2
50°-60°	1324.3	20.8
60°-70°	1563.8	24.5
70°-80°	1119.6	17.6
80°-90°	196.2	3.1
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°	6374.0	100.0
0°-180°	6374.0	100.0

Coefficient of Utilization

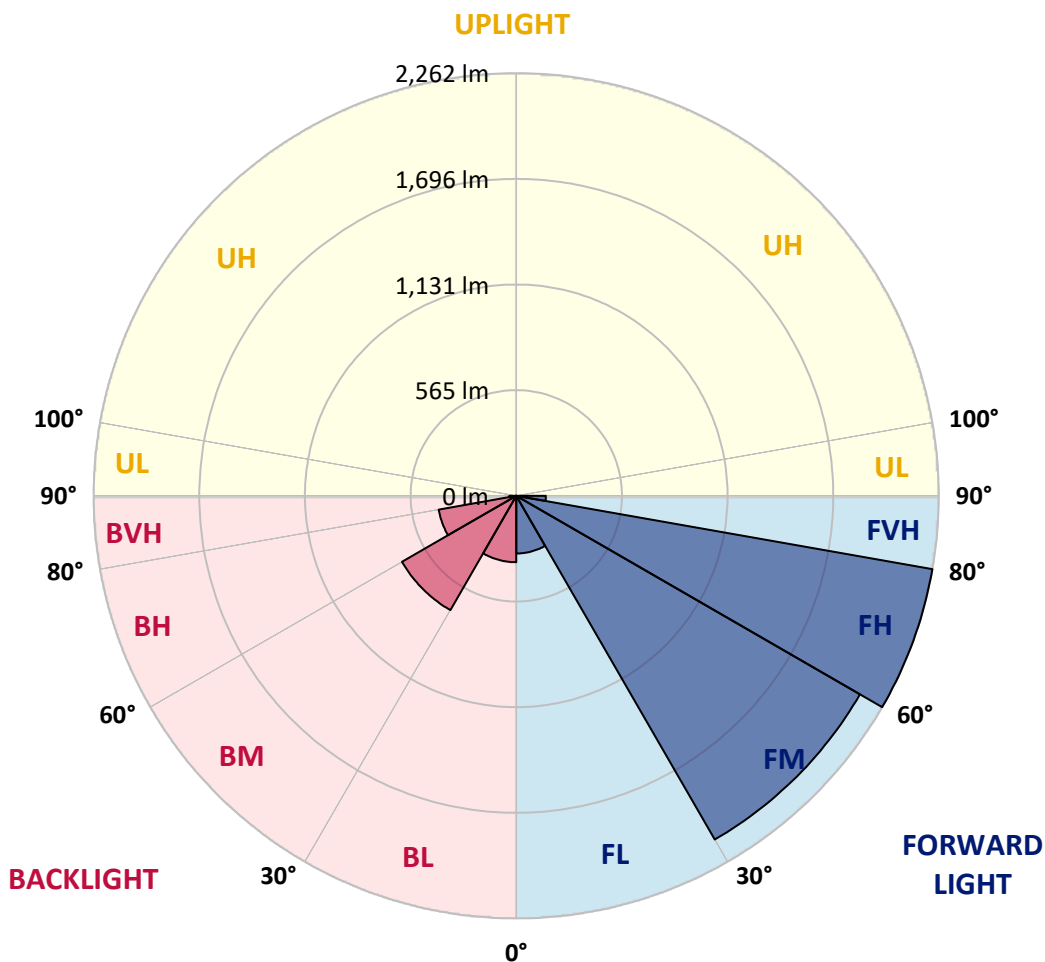


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.9	4.8			
FM (30°-60°)	2124.0	33.3			
FH (60°-80°)	2261.8	35.5			G2/5000
FVH (80°-90°)	158.7	2.5			G2/225
BL (0°-30°)	355.4	5.6	B1/500		
BM (30°-60°)	706.2	11.1	B1/1000		
BH (60°-80°)	421.6	6.6	B1/500		G1/500
BVH (80°-90°)	37.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2
2.5°	634.4	637.5	635.9	637.5	642.2	639.1	639.1	640.6	642.2	640.6	643.7
5°	607.8	609.4	612.5	618.7	629.7	632.8	640.6	640.6	643.7	646.9	651.6
7.5°	564.1	567.2	573.4	579.7	598.4	617.2	637.5	640.6	651.6	659.4	662.5
10°	556.2	559.4	560.9	570.3	589.1	607.8	632.8	639.1	659.4	671.9	685.9
12.5°	548.4	551.6	556.2	568.7	592.2	612.5	639.1	645.3	670.3	695.3	712.5
15°	554.7	556.2	560.9	573.4	596.9	625.0	659.4	664.1	692.2	723.4	750.0
17.5°	570.3	571.9	570.3	581.2	603.1	635.9	682.8	690.6	725.0	756.2	782.8
20°	606.2	607.8	601.6	601.6	617.2	650.0	707.8	718.7	760.9	795.3	821.9
22.5°	684.4	681.2	665.6	645.3	645.3	671.9	735.9	751.6	804.7	832.8	856.2
25°	795.3	795.3	770.3	732.8	707.8	704.7	768.7	785.9	848.4	882.8	896.9
27.5°	929.7	931.2	890.6	840.6	792.2	768.7	815.6	832.8	903.1	939.1	943.7
30°	1048.4	1050.0	1009.4	962.5	903.1	851.6	878.1	896.9	978.1	1006.2	990.6
32.5°	1167.2	1168.7	1140.6	1076.6	1014.1	950.0	957.8	968.7	1051.6	1078.1	1053.1
35°	1270.3	1275.0	1246.9	1198.4	1132.8	1075.0	1060.9	1062.5	1137.5	1154.7	1121.9
37.5°	1375.0	1375.0	1357.8	1312.5	1256.2	1192.2	1173.4	1178.1	1245.3	1262.5	1215.6
40°	1507.8	1514.1	1504.7	1448.4	1384.4	1331.2	1312.5	1318.7	1392.2	1382.8	1332.8
42.5°	1668.7	1682.8	1667.2	1606.2	1537.5	1478.1	1478.1	1478.1	1540.6	1542.2	1467.2
45°	1875.0	1875.0	1859.4	1806.2	1715.6	1656.2	1635.9	1640.6	1695.3	1701.6	1614.1
47.5°	2046.9	2062.5	2045.3	2006.2	1934.4	1878.1	1814.1	1806.2	1851.6	1851.6	1776.6
50°	2185.9	2214.0	2200.0	2217.2	2165.6	2137.5	2006.2	1984.4	2000.0	2015.6	1932.8
52.5°	2301.5	2323.4	2318.7	2368.7	2393.7	2409.4	2201.5	2167.2	2179.7	2178.1	2103.1
55°	2309.4	2317.2	2387.5	2500.0	2598.4	2671.9	2398.4	2360.9	2348.4	2342.2	2284.4
57.5°	2264.0	2268.7	2409.4	2542.2	2756.2	2840.6	2584.4	2546.9	2529.7	2507.8	2484.4
60°	2154.7	2178.1	2362.5	2567.2	2850.0	2971.9	2757.8	2718.7	2706.2	2659.4	2712.5
62.5°	2015.6	2026.5	2210.9	2515.6	2862.5	3028.1	2940.6	2917.2	2878.1	2810.9	2915.6
65°	1818.7	1817.2	1979.7	2364.0	2798.4	3056.2	3095.3	3082.8	3034.4	2918.7	3096.9
67.5°	1493.7	1529.7	1689.1	2095.3	2643.7	3084.4	3253.1	3237.5	3160.9	3015.6	3182.8
70°	1139.1	1160.9	1342.2	1692.2	2335.9	3007.8	3407.8	3412.5	3273.4	3035.9	3145.3
72.5°	726.6	764.1	907.8	1232.8	1870.3	2723.4	3500.0	3521.9	3335.9	3007.8	2912.5
73°	665.6	668.7	809.4	1140.6	1725.0	2621.9	3493.7	3528.1	3342.2	2979.7	2848.4
75°	396.9	414.1	498.4	757.8	1231.2	2106.2	3325.0	3393.7	3309.4	2854.7	2496.9
77.5°	185.9	198.4	245.3	400.0	670.3	1267.2	2795.3	2876.5	2932.8	2498.4	1903.1
80°	98.4	100.0	120.3	201.6	359.4	521.9	1948.4	2082.8	2162.5	1881.2	1279.7
82.5°	82.8	82.8	93.7	129.7	229.7	203.1	803.1	956.2	1171.9	926.6	503.1
85°	67.2	68.7	93.7	96.9	164.1	104.7	192.2	240.6	454.7	409.4	56.2
87.5°	21.9	25.0	53.1	68.7	87.5	40.6	48.4	53.1	53.1	78.1	18.7
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°	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2	642.2
2.5°	645.3	645.3	646.9	648.4	651.6	651.6	654.7	656.2	659.4	660.9	656.2
5°	651.6	654.7	657.8	667.2	678.1	687.5	696.9	704.7	712.5	717.2	715.6
7.5°	668.7	673.4	685.9	703.1	725.0	739.1	753.1	767.2	773.4	776.6	776.6
10°	692.2	701.6	725.0	753.1	778.1	800.0	810.9	820.3	823.4	826.6	823.4
12.5°	725.0	737.5	773.4	809.4	837.5	848.4	846.9	834.4	817.2	814.1	810.9
15°	767.2	782.8	823.4	865.6	887.5	873.4	837.5	825.0	821.9	831.2	828.1
17.5°	803.1	821.9	871.9	915.6	910.9	862.5	851.6	857.8	854.7	856.2	856.2
20°	837.5	864.1	917.2	946.9	906.2	875.0	865.6	857.8	848.4	851.6	848.4
22.5°	881.2	900.0	960.9	962.5	900.0	875.0	854.7	839.1	835.9	837.5	839.1
25°	915.6	945.3	998.4	951.6	900.0	850.0	821.9	818.7	820.3	829.7	826.6
27.5°	962.5	992.2	1028.1	945.3	862.5	809.4	798.4	796.9	785.9	789.1	789.1
30°	1006.2	1042.2	1043.7	945.3	815.6	775.0	759.4	731.2	707.8	712.5	710.9
32.5°	1065.6	1096.9	1046.9	907.8	762.5	729.7	687.5	643.7	632.8	639.1	640.6
35°	1134.4	1159.4	1050.0	845.3	709.4	665.6	589.1	564.1	562.5	567.2	571.9
37.5°	1225.0	1239.1	1073.4	773.4	657.8	565.6	506.2	500.0	485.9	476.6	478.1
40°	1335.9	1318.7	1118.7	709.4	596.9	475.0	450.0	432.8	406.2	379.7	384.4
42.5°	1459.4	1410.9	1132.8	657.8	514.1	418.7	395.3	368.7	335.9	307.8	306.2
45°	1592.2	1514.1	1120.3	617.2	431.2	376.6	351.6	320.3	281.2	257.8	257.8
47.5°	1750.0	1612.5	1081.2	584.4	373.4	339.1	307.8	276.6	250.0	228.1	228.1
50°	1923.4	1726.6	1053.1	526.6	332.8	303.1	271.9	246.9	226.6	209.4	209.4
52.5°	2106.2	1834.4	1029.7	442.2	296.9	270.3	248.4	228.1	210.9	189.1	185.9
55°	2292.2	1937.5	1040.6	360.9	264.1	246.9	232.8	212.5	206.2	201.6	198.4
57.5°	2485.9	2050.0	1067.2	295.3	235.9	234.4	228.1	242.2	256.2	246.9	242.2
60°	2637.5	2137.5	1070.3	248.4	218.7	246.9	278.1	282.8	245.3	223.4	221.9
62.5°	2757.8	2220.3	996.9	215.6	223.4	290.6	296.9	250.0	212.5	203.1	203.1
65°	2820.3	2250.0	801.6	196.9	232.8	278.1	268.7	225.0	198.4	196.9	196.9
67.5°	2789.0	2226.5	560.9	176.6	206.2	240.6	240.6	206.2	182.8	190.6	187.5
70°	2639.0	2110.9	370.3	159.4	181.2	217.2	223.4	192.2	170.3	175.0	170.3
72.5°	2326.5	1904.7	243.7	140.6	156.2	192.2	207.8	176.6	156.2	154.7	150.0
73°	2265.6	1826.6	229.7	137.5	151.6	185.9	203.1	173.4	153.1	148.4	145.3
75°	1921.9	1523.4	173.4	123.4	134.4	167.2	189.1	162.5	140.6	134.4	131.2
77.5°	1400.0	1056.2	129.7	104.7	112.5	145.3	167.2	148.4	125.0	117.2	115.6
80°	873.4	575.0	96.9	84.4	89.1	121.9	146.9	132.8	107.8	98.4	96.9
82.5°	342.2	187.5	67.2	62.5	65.6	92.2	123.4	115.6	90.6	82.8	78.1
85°	56.2	64.1	43.7	42.2	42.2	65.6	93.7	89.1	60.9	53.1	46.9
87.5°	15.6	29.7	17.2	15.6	15.6	28.1	51.6	40.6	25.0	20.3	18.7
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)