

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: P595123

Luminaire Tested: **IST-PA1C-730-U-T3**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595123
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: IST-PA1C-730-U-T3
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6026 lumens
Efficiency: N/A
Efficacy: 124.8 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

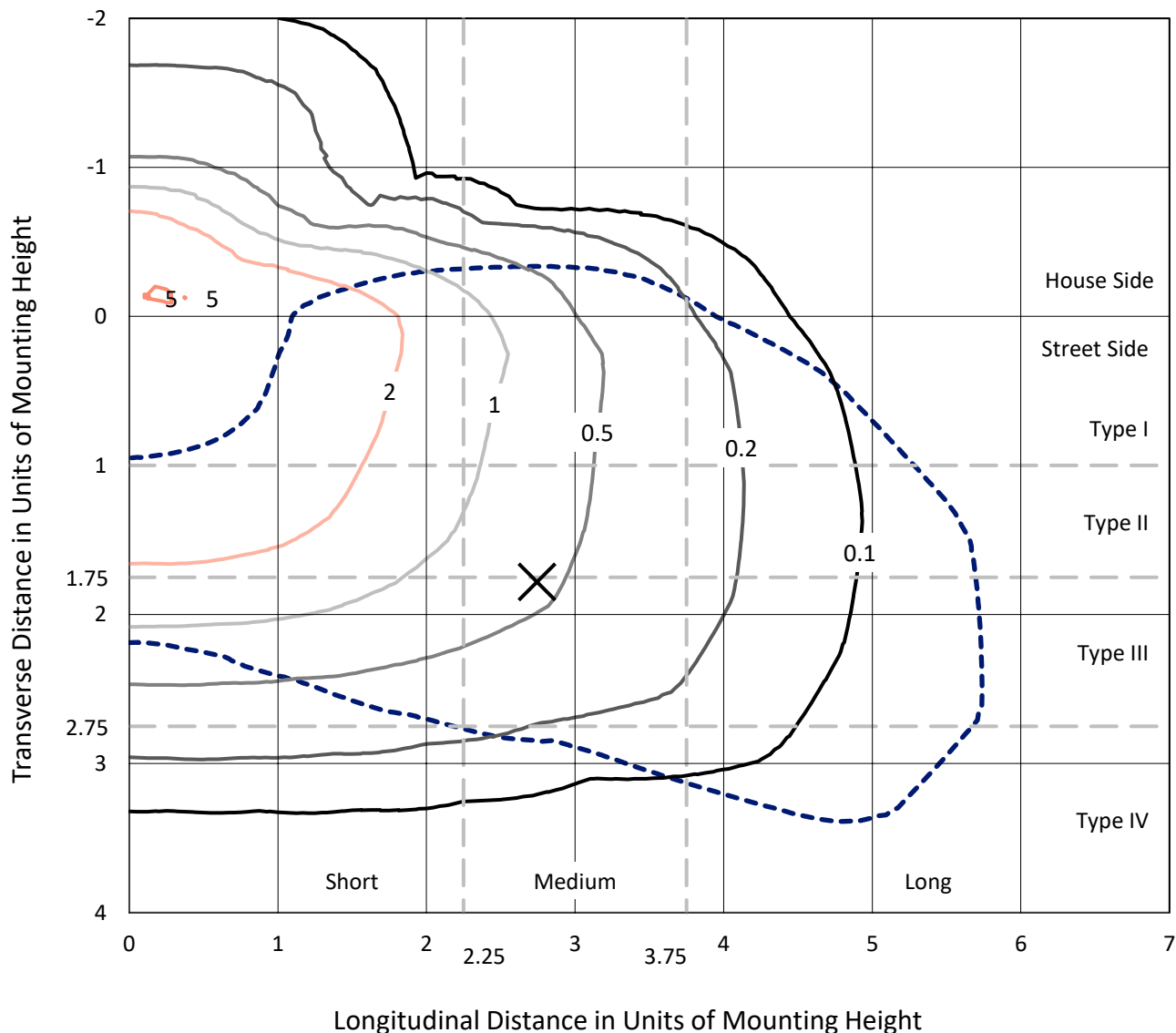
Input Watts (W): 48.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

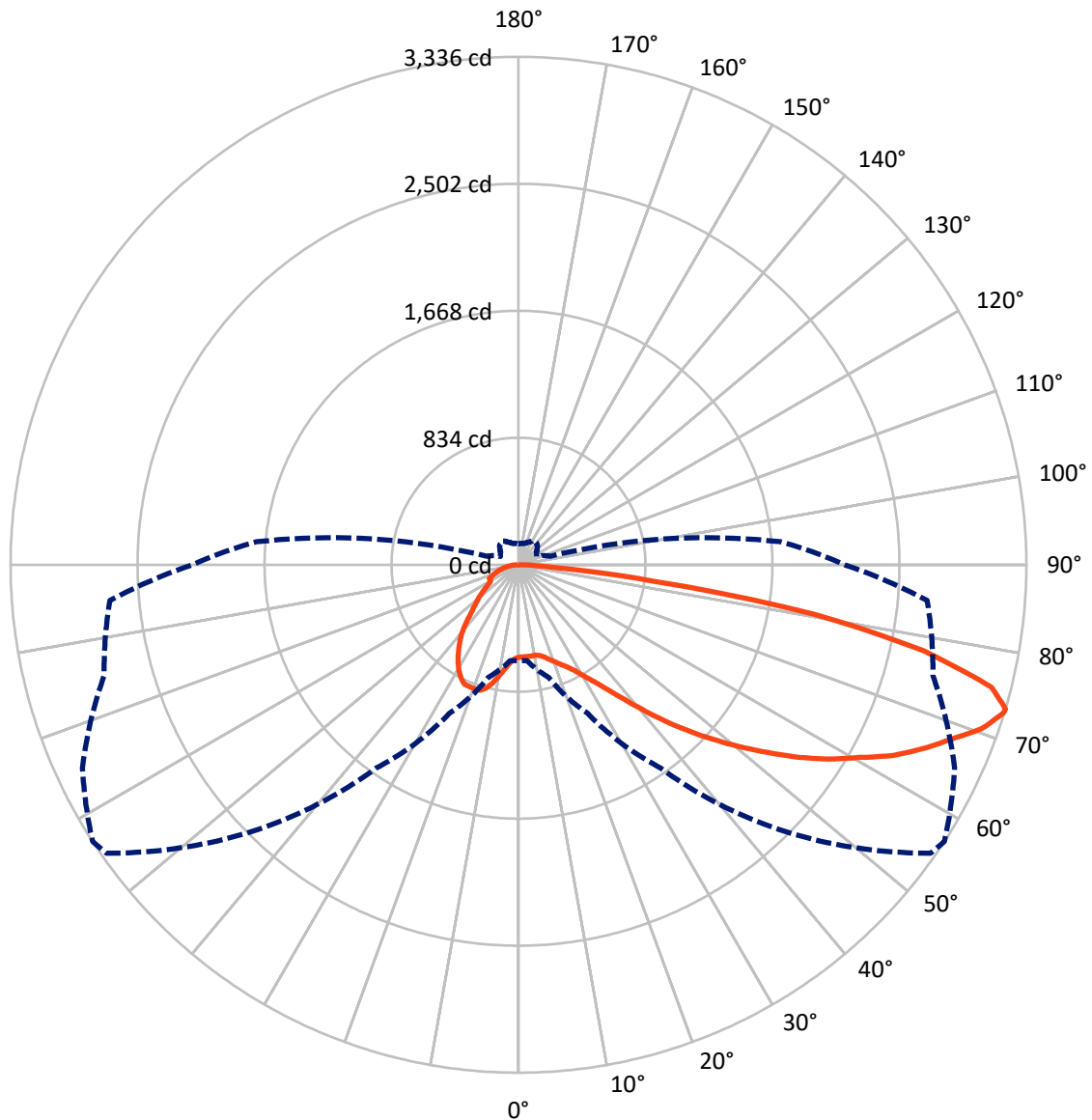
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.2 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	1437.6	0.0	1437.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4588.4	0.0	4588.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	6026.0	0.0	6026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	1.0
10°-20°	199.4	3.3
20°-30°	368.0	6.1
30°-40°	568.3	9.4
40°-50°	855.4	14.2
50°-60°	1252.0	20.8
60°-70°	1478.4	24.5
70°-80°	1058.5	17.6
80°-90°	185.5	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°	6026.0	100.0
0°-180°	6026.0	100.0

Coefficient of Utilization

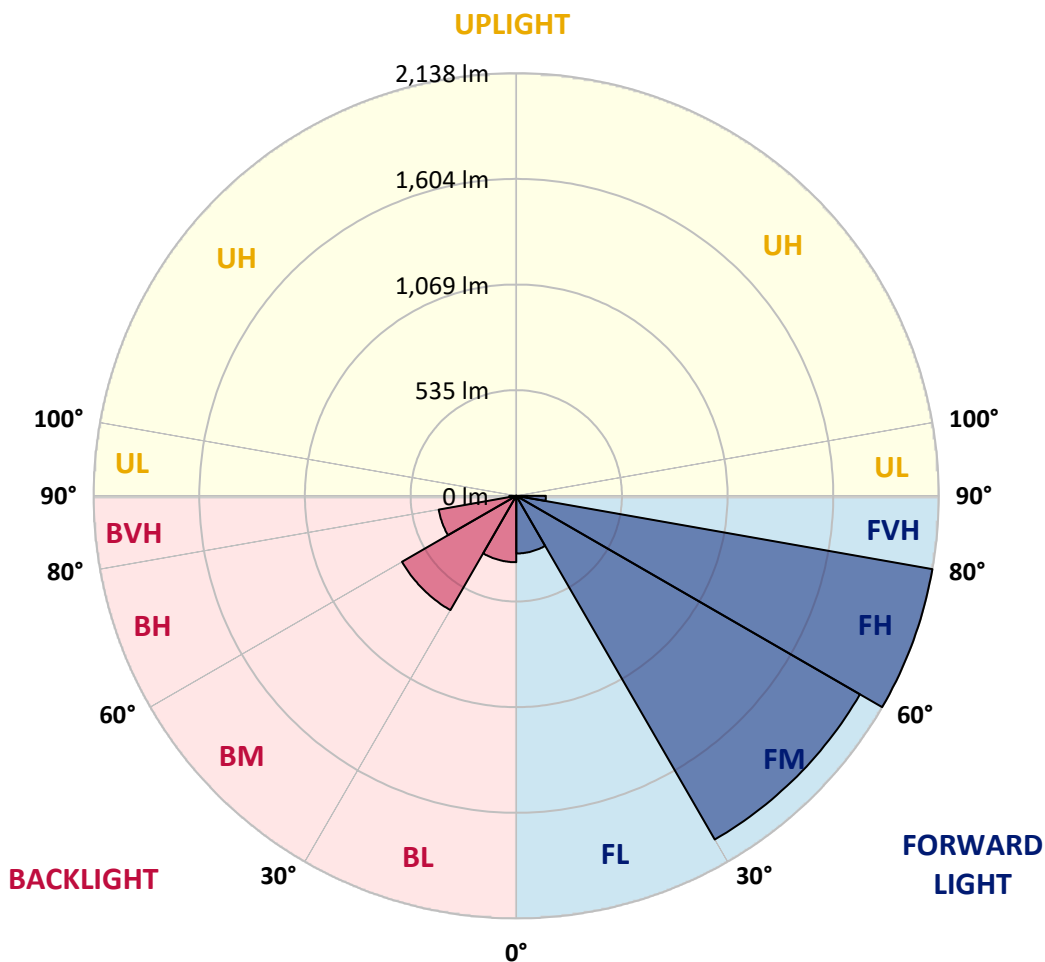


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.0	4.8			
FM (30°-60°)	2008.0	33.3			
FH (60°-80°)	2138.3	35.5			G2/5000
FVH (80°-90°)	150.0	2.5			G2/225
BL (0°-30°)	336.0	5.6	B1/500		
BM (30°-60°)	667.6	11.1	B1/1000		
BH (60°-80°)	398.6	6.6	B1/500		G1/500
BVH (80°-90°)	35.4	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°	607.1	607.1	607.1	607.1	607.1	607.1	607.1	607.1	607.1	607.1	607.1
2.5°	599.7	602.7	601.2	602.7	607.1	604.2	604.2	605.6	607.1	605.6	608.6
5°	574.6	576.1	579.1	585.0	595.3	598.3	605.6	605.6	608.6	611.6	616.0
7.5°	533.3	536.2	542.1	548.0	565.8	583.5	602.7	605.6	616.0	623.4	626.3
10°	525.9	528.8	530.3	539.2	556.9	574.6	598.3	604.2	623.4	635.2	648.5
12.5°	518.5	521.4	525.9	537.7	559.9	579.1	604.2	610.1	633.7	657.3	673.6
15°	524.4	525.9	530.3	542.1	564.3	590.9	623.4	627.8	654.4	683.9	709.0
17.5°	539.2	540.6	539.2	549.5	570.2	601.2	645.5	652.9	685.4	715.0	740.1
20°	573.1	574.6	568.7	568.7	583.5	614.5	669.2	679.5	719.4	751.9	777.0
22.5°	647.0	644.1	629.3	610.1	610.1	635.2	695.8	710.5	760.7	787.3	809.5
25°	751.9	751.9	728.3	692.8	669.2	666.2	726.8	743.0	802.1	834.6	847.9
27.5°	878.9	880.4	842.0	794.7	748.9	726.8	771.1	787.3	853.8	887.8	892.2
30°	991.2	992.7	954.3	909.9	853.8	805.1	830.2	847.9	924.7	951.3	936.5
32.5°	1103.5	1104.9	1078.3	1017.8	958.7	898.1	905.5	915.9	994.1	1019.3	995.6
35°	1200.9	1205.4	1178.8	1133.0	1071.0	1016.3	1003.0	1004.5	1075.4	1091.6	1060.6
37.5°	1299.9	1299.9	1283.7	1240.8	1187.7	1127.1	1109.4	1113.8	1177.3	1193.6	1149.2
40°	1425.5	1431.4	1422.5	1369.3	1308.8	1258.6	1240.8	1246.7	1316.2	1307.3	1260.0
42.5°	1577.6	1590.9	1576.2	1518.5	1453.5	1397.4	1397.4	1397.4	1456.5	1458.0	1387.1
45°	1772.6	1772.6	1757.8	1707.6	1621.9	1565.8	1546.6	1551.0	1602.7	1608.7	1525.9
47.5°	1935.1	1949.9	1933.6	1896.7	1828.8	1775.6	1715.0	1707.6	1750.5	1750.5	1679.6
50°	2066.6	2093.2	2079.9	2096.1	2047.4	2020.8	1896.7	1876.0	1890.8	1905.6	1827.3
52.5°	2175.9	2196.6	2192.1	2239.4	2263.0	2277.8	2081.4	2048.9	2060.7	2059.2	1988.3
55°	2183.3	2190.7	2257.1	2363.5	2456.6	2526.0	2267.5	2232.0	2220.2	2214.3	2159.6
57.5°	2140.4	2144.9	2277.8	2403.4	2605.8	2685.5	2443.3	2407.8	2391.6	2370.9	2348.7
60°	2037.0	2059.2	2233.5	2427.0	2694.4	2809.6	2607.2	2570.3	2558.5	2514.2	2564.4
62.5°	1905.6	1915.9	2090.2	2378.3	2706.2	2862.8	2780.1	2757.9	2721.0	2657.5	2756.4
65°	1719.4	1718.0	1871.6	2235.0	2645.6	2889.4	2926.3	2914.5	2868.7	2759.4	2927.8
67.5°	1412.2	1446.2	1596.8	1980.9	2499.4	2916.0	3075.5	3060.7	2988.3	2851.0	3009.0
70°	1076.9	1097.5	1268.9	1599.8	2208.4	2843.6	3221.7	3226.2	3094.7	2870.2	2973.6
72.5°	686.9	722.3	858.2	1165.5	1768.2	2574.7	3308.9	3329.6	3153.8	2843.6	2753.5
73°	629.3	632.2	765.2	1078.3	1630.8	2478.7	3303.0	3335.5	3159.7	2817.0	2692.9
75°	375.2	391.5	471.2	716.4	1164.0	1991.2	3143.4	3208.4	3128.7	2698.8	2360.5
77.5°	175.8	187.6	231.9	378.2	633.7	1198.0	2642.7	2719.5	2772.7	2362.0	1799.2
80°	93.1	94.5	113.7	190.6	339.8	493.4	1842.0	1969.1	2044.4	1778.5	1209.8
82.5°	78.3	78.3	88.6	122.6	217.1	192.0	759.3	904.0	1107.9	876.0	475.7
85°	63.5	65.0	88.6	91.6	155.1	99.0	181.7	227.5	429.9	387.0	53.2
87.5°	20.7	23.6	50.2	65.0	82.7	38.4	45.8	50.2	50.2	73.9	17.7
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°	607.1	607.1	607.1	607.1	607.1	607.1	607.1	607.1	607.1	607.1	607.1
2.5°	610.1	610.1	611.6	613.0	616.0	616.0	618.9	620.4	623.4	624.8	620.4
5°	616.0	618.9	621.9	630.8	641.1	650.0	658.8	666.2	673.6	678.0	676.5
7.5°	632.2	636.7	648.5	664.7	685.4	698.7	712.0	725.3	731.2	734.2	734.2
10°	654.4	663.3	685.4	712.0	735.6	756.3	766.7	775.5	778.5	781.4	778.5
12.5°	685.4	697.2	731.2	765.2	791.8	802.1	800.6	788.8	772.6	769.6	766.7
15°	725.3	740.1	778.5	818.4	839.0	825.7	791.8	780.0	777.0	785.9	782.9
17.5°	759.3	777.0	824.3	865.6	861.2	815.4	805.1	811.0	808.0	809.5	809.5
20°	791.8	816.9	867.1	895.2	856.8	827.2	818.4	811.0	802.1	805.1	802.1
22.5°	833.1	850.9	908.5	909.9	850.9	827.2	808.0	793.2	790.3	791.8	793.2
25°	865.6	893.7	943.9	899.6	850.9	803.6	777.0	774.0	775.5	784.4	781.4
27.5°	909.9	938.0	972.0	893.7	815.4	765.2	754.8	753.4	743.0	746.0	746.0
30°	951.3	985.3	986.8	893.7	771.1	732.7	717.9	691.3	669.2	673.6	672.1
32.5°	1007.4	1037.0	989.7	858.2	720.9	689.8	650.0	608.6	598.3	604.2	605.6
35°	1072.4	1096.1	992.7	799.2	670.6	629.3	556.9	533.3	531.8	536.2	540.6
37.5°	1158.1	1171.4	1014.8	731.2	621.9	534.7	478.6	472.7	459.4	450.5	452.0
40°	1263.0	1246.7	1057.7	670.6	564.3	449.1	425.4	409.2	384.1	359.0	363.4
42.5°	1379.7	1333.9	1071.0	621.9	486.0	395.9	373.7	348.6	317.6	291.0	289.5
45°	1505.2	1431.4	1059.1	583.5	407.7	356.0	332.4	302.8	265.9	243.7	243.7
47.5°	1654.4	1524.5	1022.2	552.5	353.0	320.5	291.0	261.5	236.3	215.7	215.7
50°	1818.4	1632.3	995.6	497.8	314.6	286.6	257.0	233.4	214.2	197.9	197.9
52.5°	1991.2	1734.2	973.5	418.0	280.7	255.6	234.9	215.7	199.4	178.7	175.8
55°	2167.0	1831.7	983.8	341.2	249.6	233.4	220.1	200.9	195.0	190.6	187.6
57.5°	2350.2	1938.1	1008.9	279.2	223.1	221.6	215.7	229.0	242.3	233.4	229.0
60°	2493.5	2020.8	1011.9	234.9	206.8	233.4	262.9	267.4	231.9	211.2	209.8
62.5°	2607.2	2099.1	942.4	203.9	211.2	274.8	280.7	236.3	200.9	192.0	192.0
65°	2666.3	2127.1	757.8	186.1	220.1	262.9	254.1	212.7	187.6	186.1	186.1
67.5°	2636.8	2105.0	530.3	166.9	195.0	227.5	227.5	195.0	172.8	180.2	177.3
70°	2495.0	1995.7	350.1	150.7	171.4	205.3	211.2	181.7	161.0	165.4	161.0
72.5°	2199.5	1800.7	230.4	132.9	147.7	181.7	196.5	166.9	147.7	146.2	141.8
73°	2141.9	1726.8	217.1	130.0	143.3	175.8	192.0	164.0	144.8	140.3	137.4
75°	1816.9	1440.3	164.0	116.7	127.0	158.1	178.7	153.6	132.9	127.0	124.1
77.5°	1323.6	998.6	122.6	99.0	106.4	137.4	158.1	140.3	118.2	110.8	109.3
80°	825.7	543.6	91.6	79.8	84.2	115.2	138.9	125.6	101.9	93.1	91.6
82.5°	323.5	177.3	63.5	59.1	62.0	87.2	116.7	109.3	85.7	78.3	73.9
85°	53.2	60.6	41.4	39.9	39.9	62.0	88.6	84.2	57.6	50.2	44.3
87.5°	14.8	28.1	16.2	14.8	14.8	26.6	48.7	38.4	23.6	19.2	17.7
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)