

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: P594131

Luminaire Tested: **ISC-PA1C-730-U-T2U**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISC-PA1C-730-U-T2U
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6302 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

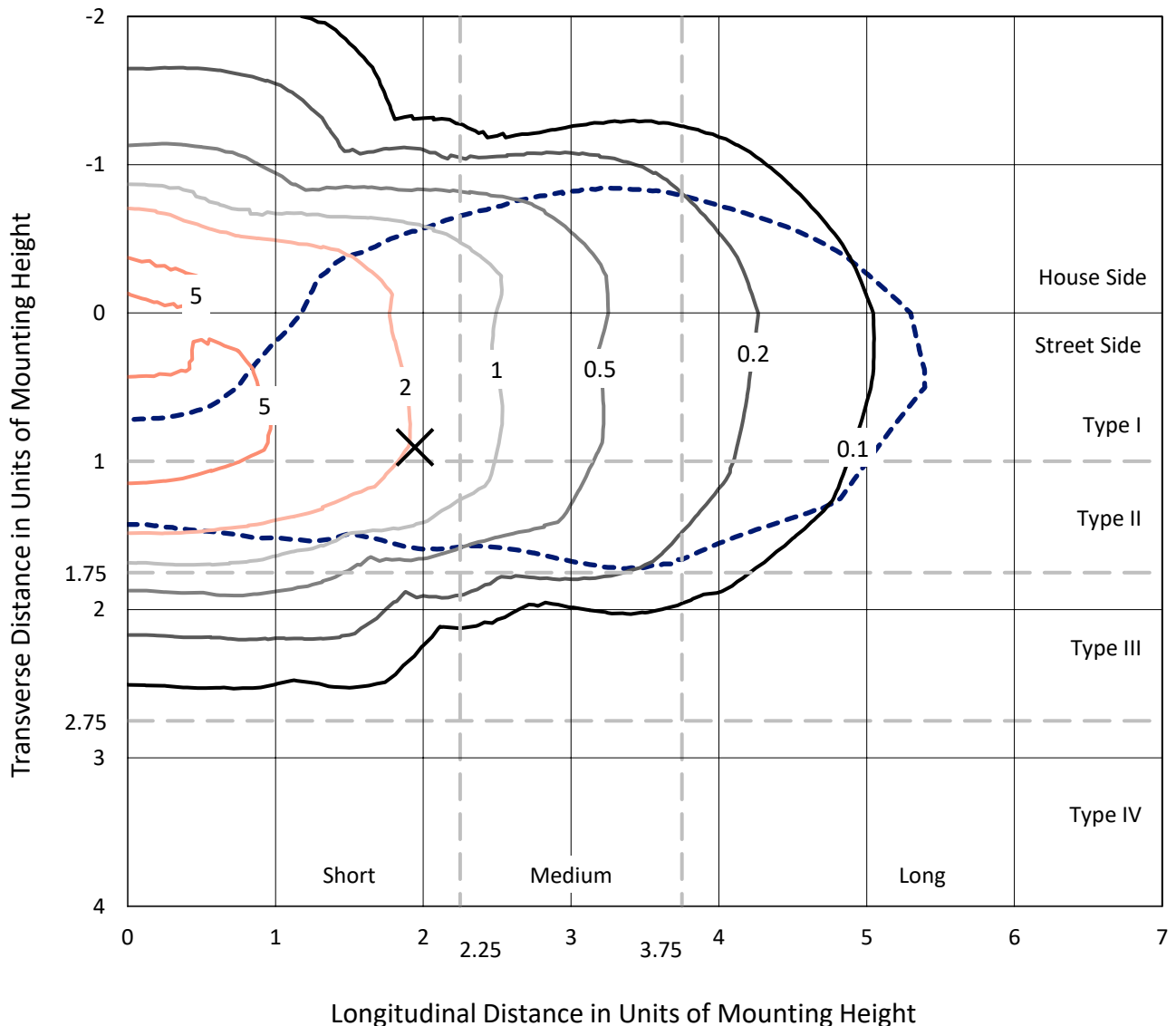
Input Watts (W): 48.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

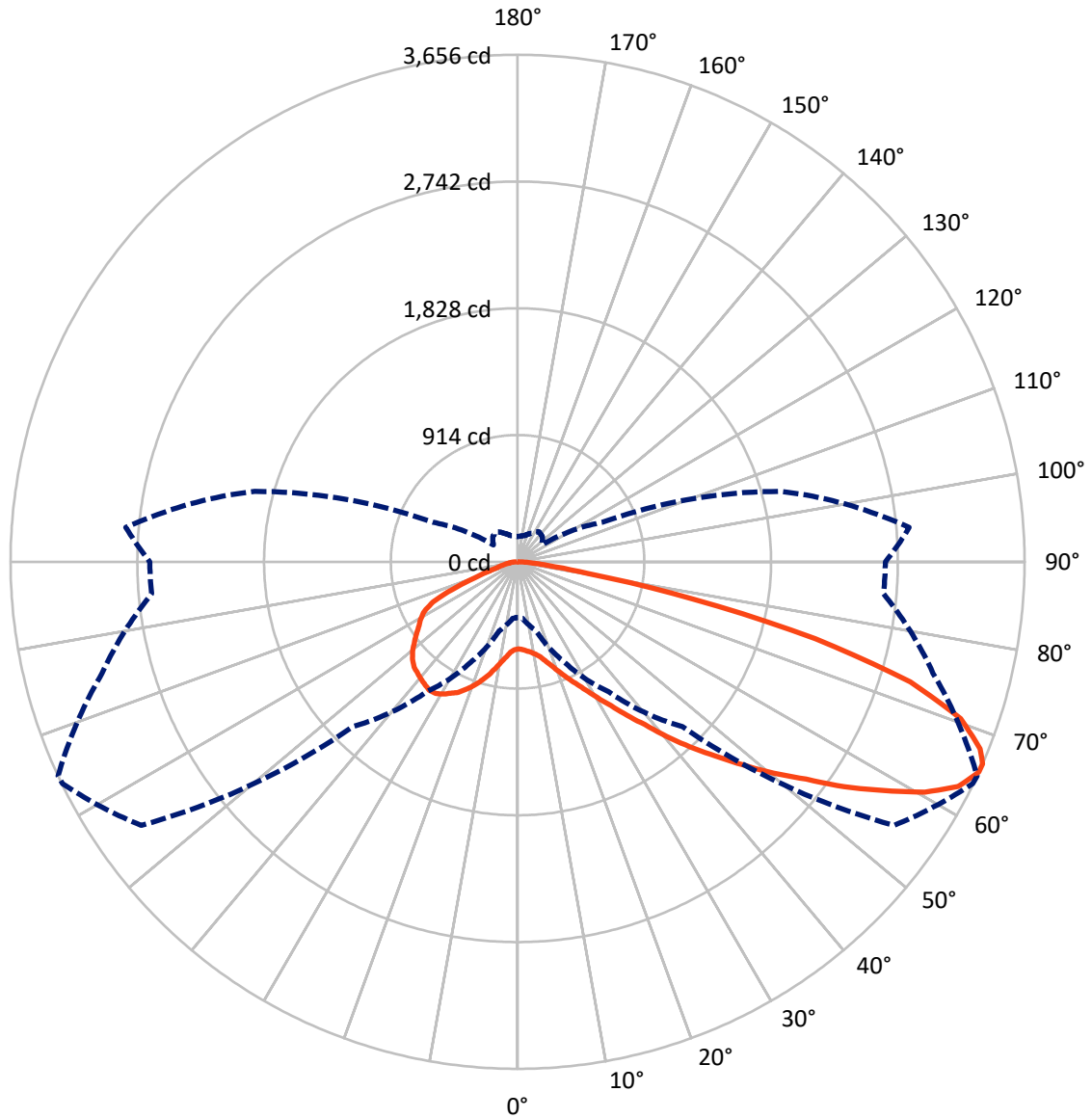
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1913.5	0.0	1913.5
	% Fixture	30.4	0.0	30.4
Street Side	Lumens	4388.5	0.0	4388.5
	% Fixture	69.6	0.0	69.6
Total	Lumens	6302.0	0.0	6302.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	1.0
10°-20°	223.4	3.5
20°-30°	437.4	6.9
30°-40°	714.8	11.3
40°-50°	1134.5	18.0
50°-60°	1459.1	23.2
60°-70°	1315.9	20.9
70°-80°	816.1	13.0
80°-90°	136.7	2.2
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°	6302.0	100.0
0°-180°	6302.0	100.0

Coefficient of Utilization



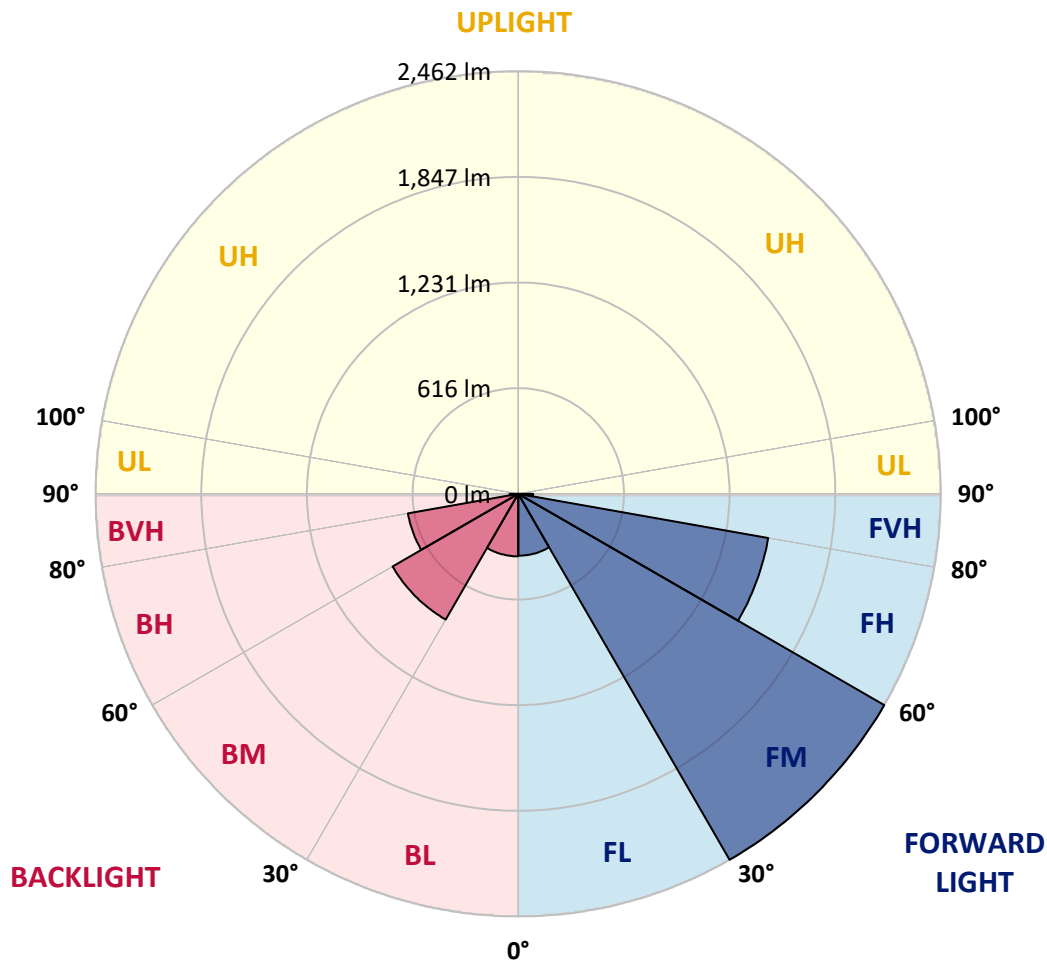
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.4	5.7			
FM (30°-60°)	2462.5	39.1			
FH (60°-80°)	1479.1	23.5			G1/1800
FVH (80°-90°)	86.5	1.4			G1/100
BL (0°-30°)	364.5	5.8	B1/500		
BM (30°-60°)	845.9	13.4	B1/1000		
BH (60°-80°)	652.9	10.4	B2/1000		G2/1000
BVH (80°-90°)	50.2	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2
2.5°	629.7	631.2	632.7	629.7	632.7	634.3	631.2	631.2	632.7	629.7	629.7
5°	625.1	626.6	629.7	631.2	637.3	640.4	641.9	641.9	643.4	641.9	643.4
7.5°	612.9	612.9	619.0	622.0	631.2	641.9	648.0	657.2	657.2	658.7	663.3
10°	625.1	625.1	629.7	634.3	641.9	651.1	660.3	671.0	674.0	684.7	690.8
12.5°	643.4	646.5	652.6	658.7	667.9	678.6	686.2	696.9	698.5	709.2	721.4
15°	674.0	677.1	680.1	687.8	700.0	713.7	727.5	735.1	738.2	744.3	753.5
17.5°	719.9	722.9	724.4	729.0	738.2	756.5	776.4	782.5	785.6	785.6	793.2
20°	797.8	796.3	793.2	784.1	784.1	800.9	828.4	839.1	842.1	836.0	831.4
22.5°	888.0	886.5	874.2	863.5	855.9	858.9	886.5	904.8	903.3	891.0	872.7
25°	1005.7	1008.7	988.9	961.3	938.4	932.3	949.1	967.5	970.5	947.6	917.0
27.5°	1146.3	1141.7	1131.0	1086.7	1042.3	1014.8	1024.0	1043.9	1045.4	1021.0	972.0
30°	1311.3	1303.7	1276.2	1230.3	1161.6	1123.4	1115.7	1132.5	1137.1	1095.8	1025.5
32.5°	1494.7	1487.1	1451.9	1381.6	1306.8	1242.6	1218.1	1241.0	1238.0	1190.6	1092.8
35°	1716.4	1714.8	1650.6	1563.5	1468.8	1383.2	1349.5	1349.5	1358.7	1288.4	1178.4
37.5°	2012.9	2025.1	1930.3	1794.3	1661.3	1546.7	1490.2	1487.1	1488.6	1412.2	1274.7
40°	2280.3	2275.7	2220.7	2093.9	1899.8	1753.0	1669.0	1650.6	1655.2	1557.4	1400.0
42.5°	2434.7	2439.3	2425.5	2370.5	2200.9	2015.9	1872.3	1823.3	1824.9	1702.6	1519.2
45°	2531.0	2535.6	2534.0	2561.5	2494.3	2320.1	2115.3	2002.2	1996.0	1867.7	1659.8
47.5°	2586.0	2589.1	2608.9	2665.5	2720.5	2680.8	2384.3	2200.9	2188.6	2022.0	1800.4
50°	2524.9	2526.4	2605.9	2740.4	2874.9	2995.6	2659.4	2398.0	2395.0	2193.2	1938.0
52.5°	2203.9	2231.4	2407.2	2688.4	2989.5	3218.7	2977.3	2630.3	2604.3	2355.2	2075.5
55°	1798.9	1811.1	2012.9	2370.5	2968.1	3356.3	3217.2	2881.0	2862.6	2535.6	2210.0
57.5°	1404.6	1416.8	1656.8	1954.8	2641.0	3348.7	3386.9	3151.5	3110.2	2693.0	2344.5
60°	906.3	944.5	1222.7	1589.5	2138.2	3116.3	3472.5	3411.3	3373.1	2848.9	2459.1
62.5°	615.9	622.0	796.3	1178.4	1600.2	2532.5	3466.3	3571.8	3565.7	3004.8	2573.8
65°	400.4	409.6	515.1	797.8	1144.7	1681.2	3313.5	3649.7	3655.9	3101.1	2648.7
66°	339.3	345.4	426.4	671.0	1002.6	1332.7	3179.0	3643.6	3655.9	3145.4	2671.6
67.5°	295.0	299.6	340.8	495.2	819.2	958.3	2829.0	3562.6	3597.8	3186.6	2700.6
70°	253.7	259.8	298.0	337.8	585.4	559.4	1791.2	3354.8	3389.9	3206.5	2719.0
72.5°	209.4	214.0	252.2	305.7	424.9	376.0	790.2	2871.8	2960.4	3133.2	2689.9
75°	165.1	168.1	203.3	255.2	325.5	293.4	343.9	2106.1	2217.7	2761.8	2576.8
77.5°	128.4	129.9	157.4	198.7	298.0	227.7	212.4	1025.5	1297.6	2133.6	2269.6
80°	88.6	91.7	116.2	149.8	218.6	180.3	142.1	400.4	508.9	1416.8	1720.9
82.5°	58.1	59.6	79.5	113.1	145.2	172.7	93.2	194.1	214.0	652.6	745.8
85°	39.7	39.7	56.5	70.3	99.3	114.6	61.1	102.4	111.6	247.6	90.2
87.5°	19.9	19.9	27.5	36.7	47.4	44.3	36.7	36.7	36.7	81.0	26.0
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°	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2
2.5°	631.2	631.2	632.7	634.3	635.8	635.8	637.3	637.3	635.8	637.3	638.9
5°	645.0	646.5	649.6	654.1	661.8	669.4	677.1	681.7	686.2	687.8	684.7
7.5°	666.4	669.4	680.1	692.4	704.6	722.9	733.6	739.7	742.8	745.8	742.8
10°	693.9	700.0	715.3	736.7	758.1	781.0	793.2	802.4	803.9	807.0	803.9
12.5°	726.0	736.7	759.6	790.2	816.1	839.1	848.2	842.1	828.4	822.3	820.7
15°	764.2	774.9	807.0	845.2	875.8	886.5	872.7	852.8	837.5	836.0	834.5
17.5°	797.8	813.1	857.4	897.2	926.2	915.5	878.8	866.6	862.0	868.1	866.6
20°	840.6	852.8	897.2	946.1	961.3	920.1	894.1	886.5	881.9	881.9	878.8
22.5°	875.8	884.9	938.4	991.9	982.7	923.1	904.8	889.5	874.2	872.7	868.1
25°	917.0	920.1	976.6	1034.7	985.8	926.2	894.1	868.1	852.8	848.2	849.8
27.5°	955.2	962.9	1011.8	1063.7	978.2	909.4	857.4	823.8	800.9	799.3	799.3
30°	1004.1	1004.1	1048.5	1095.8	961.3	866.6	797.8	748.9	730.6	729.0	726.0
32.5°	1059.2	1050.0	1092.8	1118.8	924.7	808.5	716.8	661.8	632.7	626.6	622.0
35°	1135.6	1115.7	1146.3	1123.4	888.0	726.0	614.4	551.7	530.3	521.2	521.2
37.5°	1224.2	1195.2	1227.3	1109.6	831.4	629.7	507.4	460.0	437.1	423.4	427.9
40°	1328.2	1291.5	1309.8	1094.3	770.3	522.7	418.8	389.7	362.2	343.9	343.9
42.5°	1450.4	1389.3	1403.0	1079.0	683.2	429.5	362.2	342.4	321.0	302.6	307.2
45°	1568.1	1508.5	1494.7	1063.7	591.5	366.8	339.3	325.5	305.7	284.3	284.3
47.5°	1704.1	1627.7	1575.7	1036.2	501.3	346.9	345.4	325.5	287.3	256.8	253.7
50°	1832.5	1762.2	1649.1	995.0	450.9	363.8	343.9	296.5	259.8	240.0	238.4
52.5°	1968.5	1895.2	1708.7	944.5	424.9	356.1	316.4	272.0	244.5	224.7	220.1
55°	2103.0	2064.8	1762.2	895.6	383.6	331.7	293.4	256.8	227.7	209.4	206.3
57.5°	2255.9	2240.6	1808.1	846.7	319.4	301.1	276.6	246.1	218.6	204.8	203.3
60°	2388.8	2442.3	1863.1	810.0	272.0	278.2	269.0	244.5	224.7	209.4	209.4
62.5°	2529.4	2636.4	1912.0	762.7	236.9	264.4	270.5	243.0	217.0	203.3	203.3
65°	2651.7	2835.1	1962.4	675.5	212.4	253.7	265.9	226.2	195.6	184.9	181.9
66°	2703.7	2891.7	1977.7	622.0	203.3	246.1	258.3	217.0	186.5	177.3	175.8
67.5°	2764.8	2980.3	1996.0	507.4	189.5	229.3	241.5	203.3	171.2	165.1	162.0
70°	2850.4	2998.7	1985.4	331.7	165.1	197.2	215.5	181.9	152.8	148.3	143.7
72.5°	2859.6	2873.3	1878.4	209.4	143.7	169.6	189.5	163.5	134.5	129.9	126.9
75°	2708.3	2546.3	1589.5	149.8	126.9	149.8	166.6	142.1	111.6	105.5	102.4
77.5°	2312.4	2020.5	1143.2	111.6	110.0	128.4	139.1	123.8	93.2	88.6	87.1
80°	1623.1	1370.9	573.1	84.1	87.1	107.0	116.2	103.9	77.9	71.8	68.8
82.5°	657.2	582.3	197.2	62.7	65.7	81.0	99.3	85.6	59.6	52.0	45.9
85°	74.9	126.9	85.6	42.8	44.3	55.0	67.2	52.0	35.2	29.0	24.5
87.5°	15.3	27.5	30.6	16.8	15.3	21.4	30.6	18.3	12.2	4.6	6.1
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)