

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: P200137

Luminaire Tested: **GWC-AF-01-LED-E1-SL3-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-SL3-1200
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7134.1 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

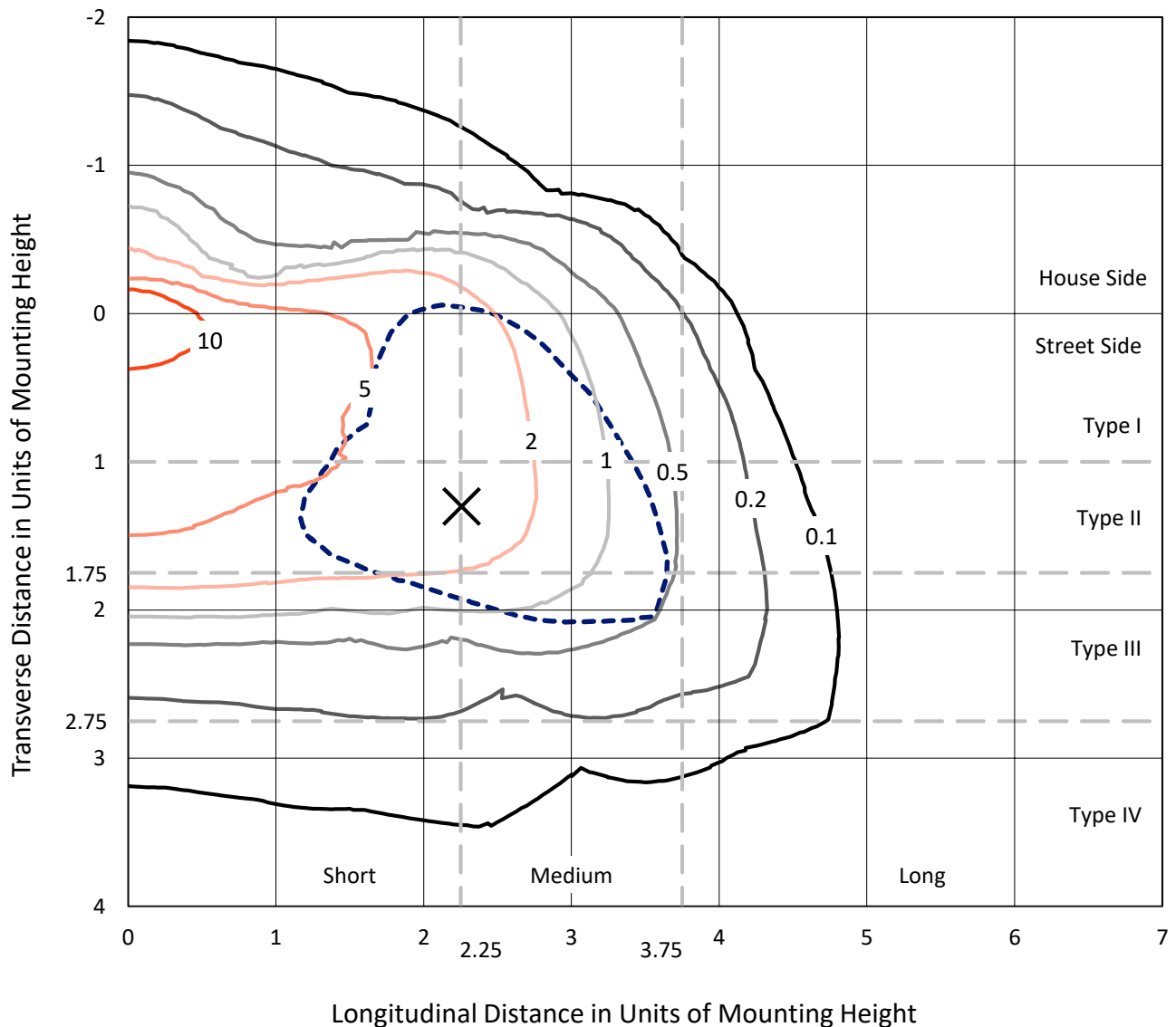
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

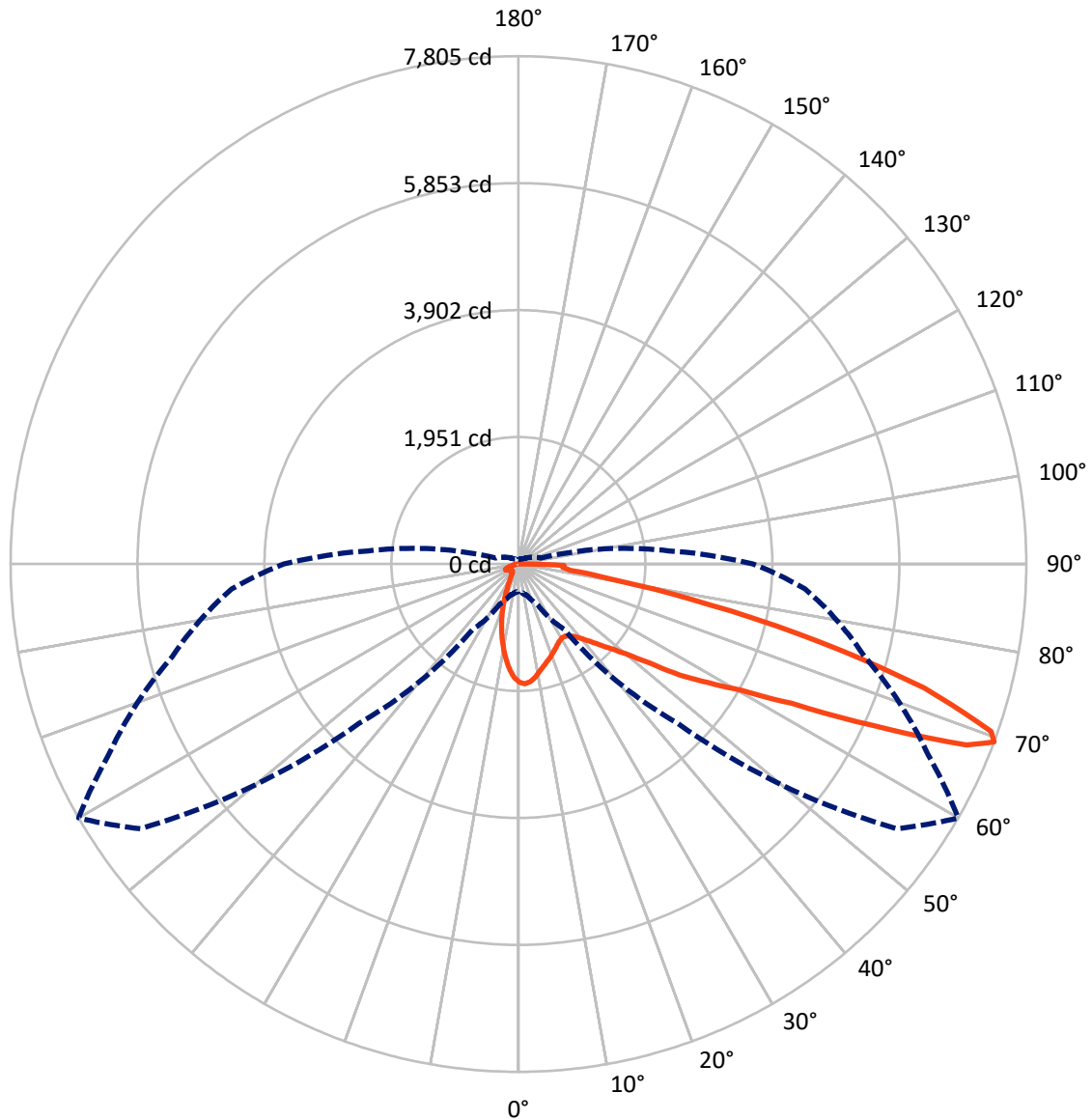
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1015.0	0.0	1015.0
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	6119.1	0.0	6119.1
	% Fixture	85.8	0.0	85.8
Total	Lumens	7134.1	0.0	7134.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	2.2
10°-20°	327.5	4.6
20°-30°	417.3	5.8
30°-40°	573.6	8.0
40°-50°	930.8	13.0
50°-60°	1492.7	20.9
60°-70°	1986.7	27.8
70°-80°	1072.7	15.0
80°-90°	179.0	2.5
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°	7134.1	100.0
0°-180°	7134.1	100.0



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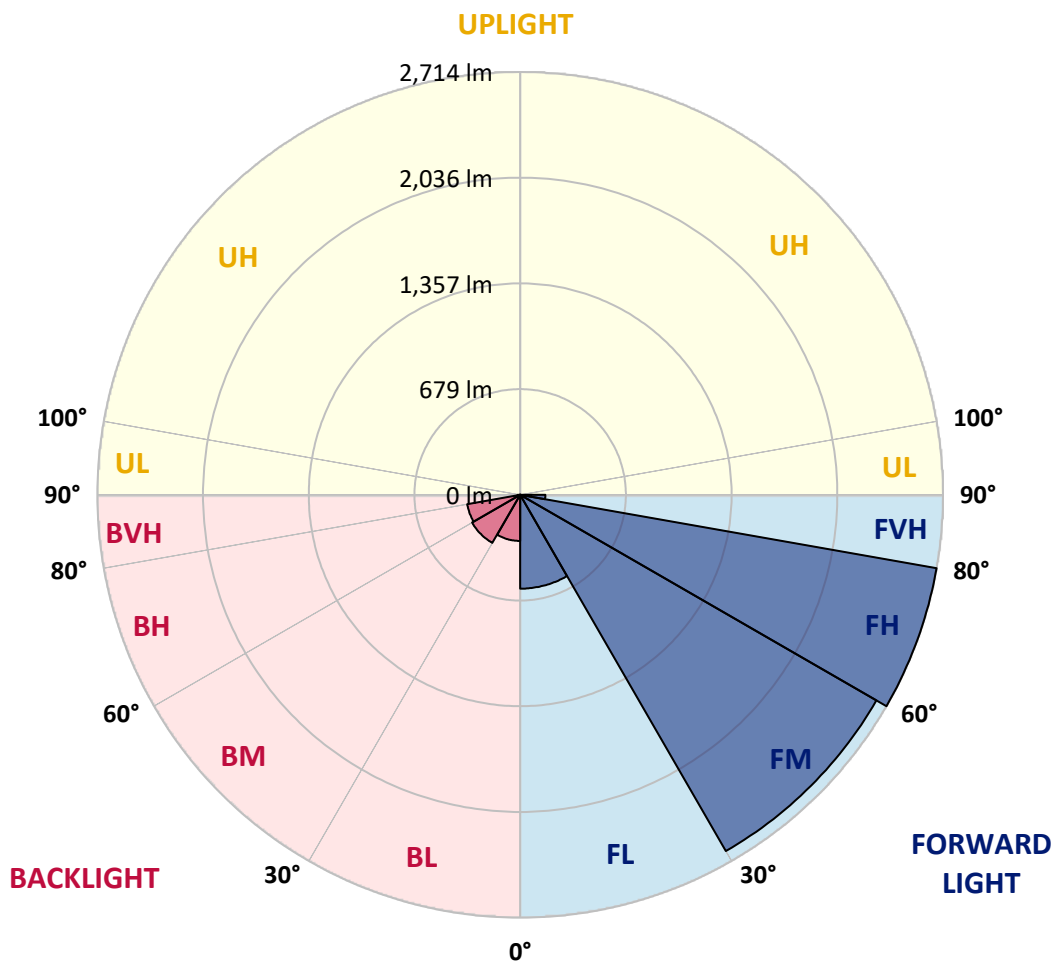
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.4	8.4			
FM (30°-60°)	2640.6	37.0			
FH (60°-80°)	2714.4	38.0			G2/5000
FVH (80°-90°)	161.8	2.3			G2/225
BL (0°-30°)	296.1	4.2	B1/500		
BM (30°-60°)	356.6	5.0	B1/1000		
BH (60°-80°)	345.1	4.8	B1/500		G1/500
BVH (80°-90°)	17.2	0.2			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9
2.5°	1855.1	1859.2	1857.5	1856.5	1859.5	1854.7	1844.8	1841.6	1836.8	1825.5	1806.1
5°	1785.5	1797.8	1797.2	1806.5	1822.0	1826.2	1821.7	1822.4	1813.4	1799.3	1767.2
7.5°	1665.2	1670.4	1673.1	1693.5	1721.7	1744.4	1763.8	1770.0	1765.8	1753.7	1712.4
10°	1541.2	1545.3	1551.8	1575.5	1611.5	1642.8	1679.4	1700.3	1709.4	1707.2	1661.1
12.5°	1434.7	1438.8	1447.4	1474.3	1517.0	1555.6	1608.7	1634.9	1656.3	1668.9	1619.3
15°	1339.1	1348.1	1356.4	1387.4	1435.3	1486.0	1546.0	1579.0	1612.2	1640.7	1582.5
17.5°	1264.8	1273.7	1278.6	1306.8	1357.8	1419.9	1490.1	1529.1	1570.4	1617.3	1546.0
20°	1221.7	1225.8	1223.8	1239.6	1285.4	1351.2	1434.7	1479.8	1529.7	1595.3	1509.5
22.5°	1209.6	1209.9	1202.4	1200.6	1230.3	1285.7	1375.4	1430.2	1491.5	1580.8	1478.1
25°	1238.9	1237.9	1217.2	1200.3	1203.4	1235.8	1318.2	1381.9	1459.4	1577.7	1453.9
27.5°	1304.1	1307.1	1276.4	1244.7	1213.4	1212.4	1274.7	1341.9	1433.3	1591.8	1443.6
30°	1395.4	1400.5	1367.8	1327.5	1268.6	1220.0	1257.8	1318.2	1417.1	1621.1	1441.8
32.5°	1495.3	1500.8	1476.0	1433.7	1356.4	1266.8	1269.6	1320.2	1416.4	1662.1	1453.6
35°	1601.8	1608.0	1595.3	1559.4	1473.6	1353.4	1314.4	1353.7	1438.8	1724.8	1484.9
37.5°	1720.7	1730.3	1733.8	1699.6	1608.0	1467.4	1387.7	1417.1	1489.4	1812.1	1542.5
40°	1891.9	1905.5	1904.3	1855.4	1762.0	1621.5	1501.2	1508.8	1568.4	1928.5	1634.6
42.5°	2220.0	2222.8	2136.9	2030.5	1931.6	1783.4	1634.9	1628.6	1677.2	2076.0	1770.0
45°	2637.4	2626.0	2435.0	2229.3	2108.7	1969.5	1808.9	1778.6	1815.4	2255.9	1939.5
47.5°	2983.7	2957.6	2716.2	2432.4	2296.2	2171.8	2013.3	1960.2	1980.5	2459.9	2158.7
50°	3103.9	3084.3	2884.4	2601.2	2473.7	2418.6	2264.8	2189.7	2195.3	2703.1	2415.4
52.5°	3078.2	3075.4	2942.0	2712.5	2639.8	2677.7	2621.2	2519.5	2465.7	2973.4	2692.5
55°	3017.1	3023.0	2974.7	2842.1	2829.7	2927.9	3086.8	3011.7	2844.5	3245.9	2978.9
57.5°	2805.2	2820.4	2926.5	3005.1	3135.3	3281.4	3461.7	3440.3	3252.2	3540.6	3319.4
60°	2260.0	2295.2	2579.8	2973.4	3450.0	3907.0	3987.6	3938.0	3672.6	3906.2	3769.1
62.5°	1583.5	1620.0	1958.4	2574.3	3398.2	4613.4	4927.8	4713.7	4276.3	4444.9	4351.1
65°	847.7	865.3	1123.8	1786.2	2869.0	4759.2	6301.7	5976.1	5232.4	5109.0	4849.1
67.5°	467.7	477.3	576.2	901.8	1837.5	4190.9	7177.0	7423.1	6427.2	5551.1	4758.5
69°	422.9	431.8	496.6	683.0	1229.6	3465.1	7091.6	7804.6	6951.0	5507.4	4423.5
70°	413.6	421.9	480.1	629.6	995.2	2856.2	6805.2	7707.1	7075.8	5350.5	4131.3
72.5°	372.1	381.2	437.6	565.5	850.5	1423.9	5390.5	6516.4	6424.0	4639.3	3133.6
75°	347.0	355.3	451.1	553.8	814.4	901.2	3553.7	4802.7	4722.4	3245.3	1689.7
77.5°	148.5	147.8	209.2	468.7	826.4	872.6	1909.5	3000.2	2737.3	1387.1	485.2
80°	99.2	97.5	99.2	137.9	757.8	877.4	1000.4	1522.9	1150.3	353.5	239.2
82.5°	85.4	84.1	87.2	84.1	266.4	1001.5	850.5	809.9	546.9	200.9	118.6
85°	57.6	55.1	75.1	75.5	125.8	889.8	958.0	684.0	442.5	119.3	58.6
87.5°	27.6	26.9	43.8	53.4	73.8	361.5	1074.9	700.9	446.3	61.0	27.9
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°	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9	1817.9
2.5°	1800.3	1786.2	1772.4	1755.8	1738.6	1719.3	1709.7	1700.0	1697.6	1694.8	1685.2
5°	1750.7	1730.6	1696.3	1658.3	1618.3	1579.4	1549.8	1531.2	1517.0	1509.8	1497.0
7.5°	1686.5	1657.3	1596.9	1531.5	1464.3	1403.0	1349.9	1316.4	1284.7	1269.9	1253.0
10°	1625.6	1581.8	1488.1	1391.6	1295.1	1202.4	1115.2	1053.5	998.7	968.0	946.3
12.5°	1573.2	1513.3	1383.3	1252.7	1120.3	988.4	857.7	755.0	669.2	624.1	601.0
15°	1522.2	1449.8	1283.7	1118.0	948.1	768.5	596.9	480.4	409.4	381.2	371.5
17.5°	1476.0	1383.3	1183.8	982.1	770.2	553.1	401.1	337.1	309.9	300.5	297.4
20°	1426.0	1316.1	1080.0	840.1	584.8	386.7	313.2	285.0	273.9	271.2	269.9
22.5°	1377.8	1249.9	980.8	688.2	420.1	298.4	269.1	257.5	255.7	258.1	258.1
25°	1336.8	1190.6	873.6	529.4	308.4	251.2	240.9	238.1	244.7	253.6	255.3
27.5°	1306.1	1142.0	759.5	390.8	245.7	218.5	218.1	222.6	238.9	256.0	259.5
30°	1285.1	1095.9	637.5	281.9	206.1	192.3	197.8	207.5	231.3	255.7	262.3
32.5°	1274.4	1061.8	510.4	218.1	176.5	168.9	178.2	189.9	213.3	236.1	244.7
35°	1282.7	1036.7	390.5	182.0	155.8	149.9	159.6	170.9	184.7	194.4	200.9
37.5°	1313.7	1026.6	294.6	163.0	141.7	136.2	143.7	150.3	155.8	158.6	161.6
40°	1380.6	1037.3	236.1	153.3	133.7	126.8	129.9	132.4	135.7	138.5	139.9
42.5°	1479.1	1069.4	211.5	149.6	129.6	119.6	118.9	119.9	124.4	129.6	130.6
45°	1617.0	1125.9	209.9	152.0	127.5	113.8	110.6	112.0	118.9	126.8	128.2
47.5°	1793.0	1212.0	223.6	159.2	129.2	110.6	105.5	107.2	115.8	126.4	128.2
50°	2006.4	1332.3	246.7	169.9	136.8	111.3	103.7	104.8	113.8	125.4	127.2
52.5°	2258.3	1502.9	271.9	180.2	144.7	115.8	105.2	102.7	111.0	121.3	123.4
55°	2538.5	1721.7	297.8	189.6	148.8	121.3	107.8	99.9	105.8	114.4	116.1
57.5°	2882.4	2027.7	342.6	198.5	151.6	125.1	110.6	97.2	99.2	105.5	106.8
60°	3348.0	2460.6	421.5	213.3	157.8	126.4	110.3	94.7	92.7	96.2	96.9
62.5°	3905.9	2930.7	487.3	231.9	168.2	127.5	108.2	93.1	87.2	87.2	87.9
65°	4237.1	3056.5	450.7	247.5	176.8	126.4	105.8	91.3	83.1	79.3	79.6
67.5°	3956.3	2688.0	386.4	250.5	176.5	121.6	102.0	88.2	78.9	73.0	72.7
69°	3604.4	2319.3	357.4	242.2	168.2	115.5	97.2	84.8	75.8	69.7	69.3
70°	3320.7	2094.3	338.4	233.3	159.2	111.0	93.4	81.6	73.4	67.5	66.9
72.5°	2414.4	1372.3	289.1	200.6	131.3	93.1	80.6	71.7	65.5	62.0	61.4
75°	1206.5	654.4	234.7	162.6	100.7	74.5	66.2	59.9	56.9	56.2	55.9
77.5°	396.3	299.8	167.9	121.3	74.8	58.2	53.4	48.9	48.3	50.3	49.6
80°	217.8	174.4	106.5	80.3	51.0	42.8	42.0	39.6	40.7	44.1	43.4
82.5°	111.0	90.6	65.8	48.3	34.5	30.7	33.5	32.0	33.5	36.5	36.2
85°	54.8	49.6	41.7	29.3	22.7	19.6	23.7	24.9	25.5	27.9	27.9
87.5°	31.7	29.3	22.1	13.8	11.4	10.3	13.8	13.4	15.9	17.2	16.9
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)