

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635035

Luminaire Tested: GWS-SA3C-830-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-830-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6950.1 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

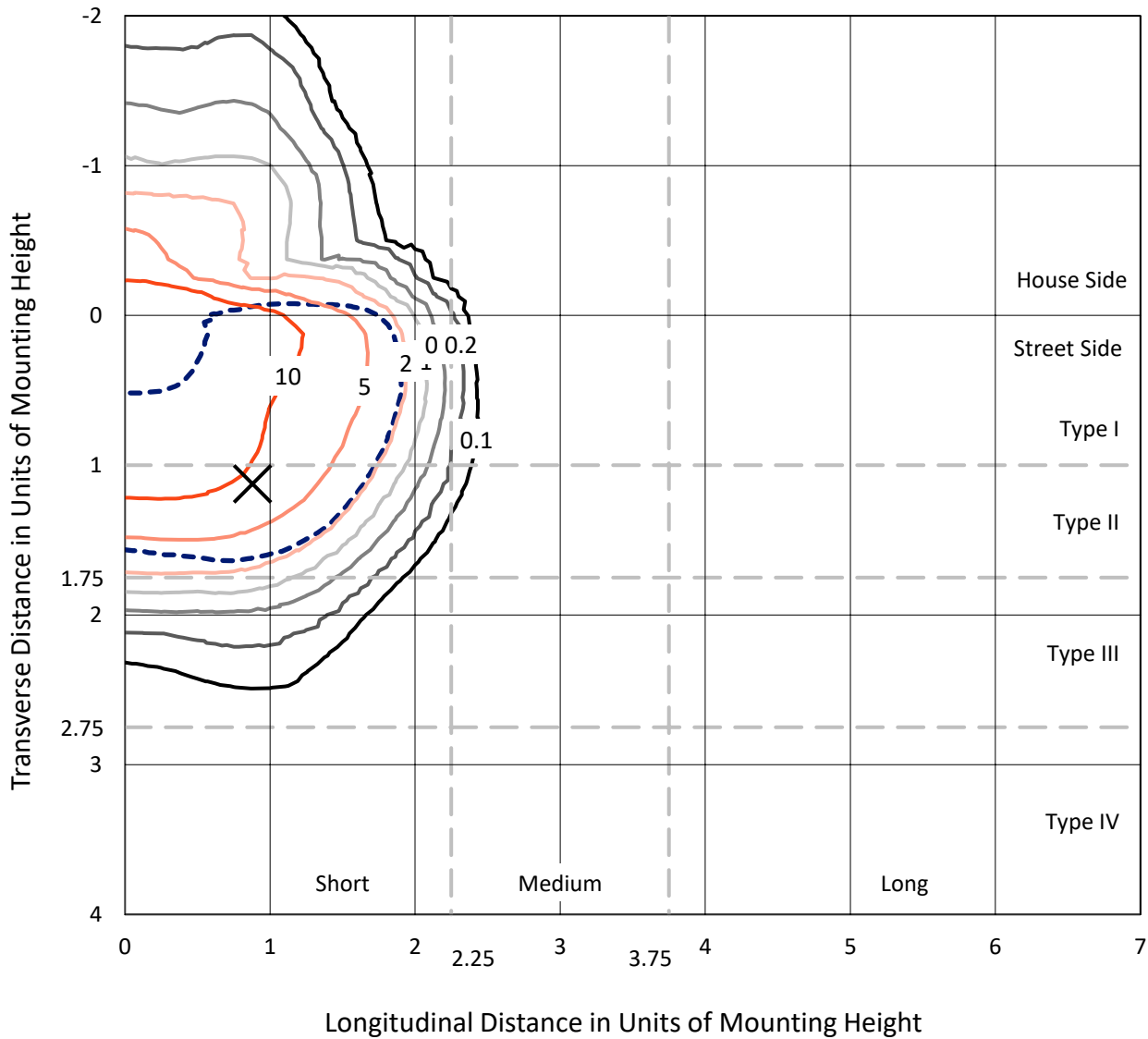
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

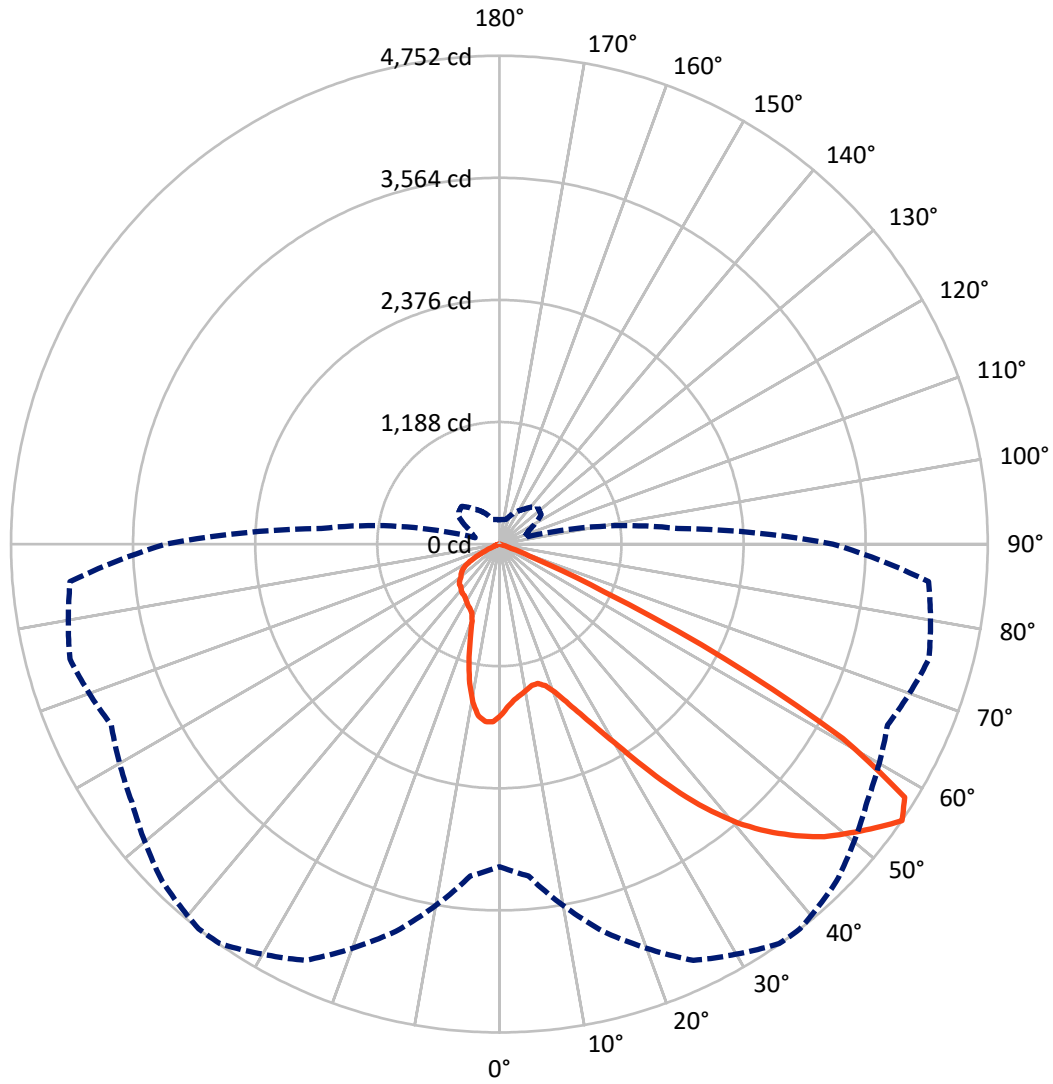
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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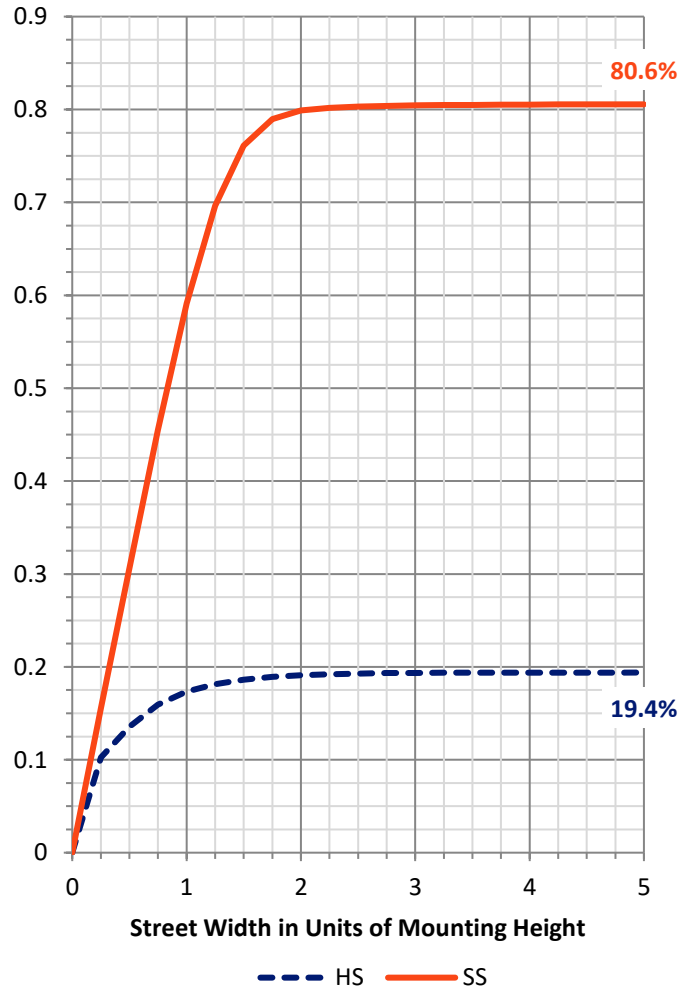
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1354.1	0.0	1354.1
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	5596.0	0.0	5596.0
	% Fixture	80.5	0.0	80.5
Total	Lumens	6950.1	0.0	6950.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.1	2.2
10°-20°	414.9	6.0
20°-30°	712.0	10.2
30°-40°	1180.8	17.0
40°-50°	1735.9	25.0
50°-60°	2028.4	29.2
60°-70°	687.6	9.9
70°-80°	35.2	0.5
80°-90°	1.4	0.0
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°	6950.1	100.0
0°-180°	6950.1	100.0

Coefficient of Utilization



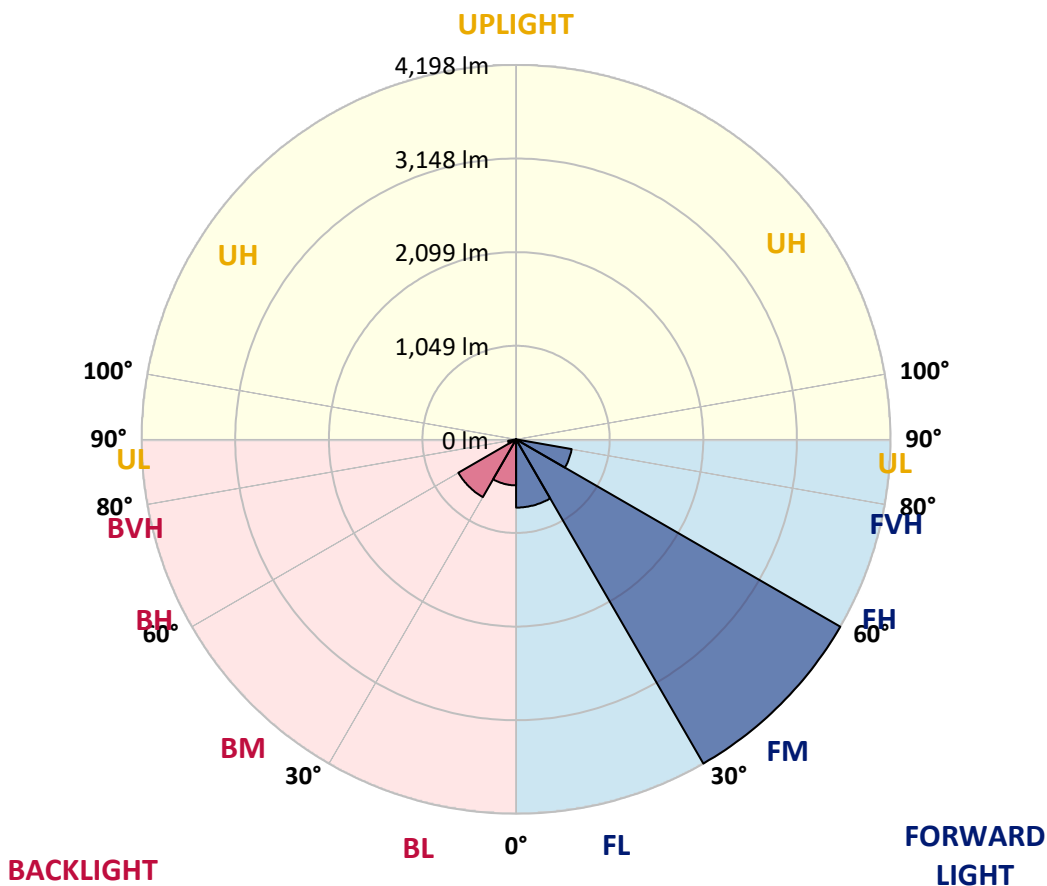
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	765.0	11.0			
FM (30°-60°)	4197.7	60.4			
FH (60°-80°)	632.6	9.1			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	515.9	7.4	B2/1000		
BM (30°-60°)	747.4	10.8	B1/1000		
BH (60°-80°)	90.2	1.3	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7
2.5°	1552.3	1549.1	1555.5	1568.2	1580.1	1584.1	1596.0	1612.7	1623.0	1647.6	1667.5
5°	1482.4	1480.8	1487.1	1498.3	1514.2	1519.7	1538.0	1565.8	1593.6	1636.5	1678.6
7.5°	1418.8	1418.0	1427.6	1452.2	1475.2	1482.4	1504.6	1538.8	1576.1	1642.1	1704.0
10°	1335.4	1336.2	1354.5	1389.4	1431.5	1445.8	1481.6	1530.8	1579.3	1664.3	1750.1
12.5°	1308.4	1310.0	1319.5	1346.5	1392.6	1410.9	1460.9	1535.6	1597.6	1696.1	1809.7
15°	1374.3	1374.3	1366.4	1369.6	1390.2	1406.9	1459.3	1551.5	1628.6	1734.2	1868.5
17.5°	1502.2	1497.5	1477.6	1450.6	1443.5	1449.0	1491.1	1585.7	1672.2	1778.7	1935.2
20°	1675.4	1677.0	1638.1	1581.7	1536.4	1535.6	1561.0	1646.0	1735.0	1831.9	2007.5
22.5°	1885.2	1878.8	1827.2	1750.1	1671.5	1665.1	1675.4	1738.2	1825.6	1916.1	2096.5
25°	2128.2	2125.1	2052.0	1948.7	1844.6	1829.5	1829.5	1891.5	1955.1	2036.1	2202.9
27.5°	2382.5	2382.5	2311.8	2192.6	2054.4	2027.4	2023.4	2096.5	2138.6	2154.5	2292.7
30°	2643.8	2640.6	2570.7	2448.4	2300.6	2272.8	2261.7	2315.7	2345.9	2298.2	2404.7
32.5°	2909.2	2914.7	2844.0	2730.4	2598.5	2580.3	2546.1	2546.1	2570.7	2504.0	2581.1
35°	3194.4	3192.8	3137.2	3060.1	2947.3	2926.6	2870.2	2782.0	2819.4	2790.0	2824.9
37.5°	3446.2	3458.1	3431.1	3373.9	3282.5	3261.9	3168.9	3009.3	3037.9	3083.9	3114.9
40°	3702.0	3711.5	3738.5	3720.3	3605.1	3566.9	3401.7	3139.5	3171.3	3329.4	3418.4
42.5°	3953.0	3957.8	4012.6	4042.8	3888.7	3821.9	3578.1	3219.0	3252.3	3521.7	3677.4
45°	4112.7	4123.0	4213.6	4305.7	4138.9	4047.6	3731.4	3320.7	3335.0	3655.1	3868.8
47.5°	4106.3	4130.2	4300.2	4467.8	4354.2	4255.7	3915.7	3483.5	3459.7	3780.6	3995.1
50°	3978.4	4007.0	4250.9	4517.1	4509.1	4417.8	4120.6	3719.5	3644.8	3891.8	4011.0
52.5°	3713.1	3795.7	4164.3	4523.4	4633.8	4587.8	4374.1	4037.2	3895.0	4051.5	4036.4
55°	3139.5	3241.2	3901.4	4469.4	4746.6	4752.2	4640.2	4368.5	4166.7	4326.4	4192.9
57.5°	2383.3	2464.3	3002.9	3978.4	4560.0	4651.3	4743.5	4543.3	4334.3	4513.9	4229.5
60°	1436.3	1530.0	1880.4	2919.5	3682.9	3838.6	4200.1	4161.2	3909.3	3986.4	3468.4
62.5°	582.3	631.6	868.3	1608.7	2318.1	2463.5	2809.9	2868.6	2806.7	2728.0	2103.6
65°	212.9	232.8	348.0	664.9	1066.1	1119.3	1302.0	1406.1	1491.9	1270.3	782.5
67.5°	131.9	144.6	226.4	341.6	387.7	360.7	367.0	437.7	417.9	258.2	139.8
70°	97.7	108.0	177.2	236.7	156.5	120.8	81.8	87.4	78.6	69.1	68.3
72.5°	67.5	77.1	132.7	139.8	60.4	42.9	30.2	42.1	47.7	46.9	48.5
75°	44.5	51.6	83.4	54.8	15.1	11.9	10.3	22.2	28.6	28.6	29.4
77.5°	26.2	30.2	29.4	11.1	3.2	3.2	2.4	4.0	6.4	7.1	8.7
80°	3.2	2.4	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4
82.5°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4
85°	0.0	0.0	0.8	0.8	1.6	1.6	1.6	1.6	1.6	2.4	2.4
87.5°	0.0	0.0	0.8	0.8	1.6	1.6	1.6	1.6	1.6	2.4	2.4
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°	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7
2.5°	1682.6	1677.0	1700.1	1716.7	1730.2	1736.6	1727.9	1727.1	1727.1	1709.6	1704.8
5°	1702.4	1704.8	1737.4	1751.7	1754.1	1746.1	1726.3	1712.8	1704.8	1686.5	1676.2
7.5°	1740.6	1748.5	1779.5	1777.1	1755.7	1719.1	1666.7	1626.2	1600.0	1571.4	1553.9
10°	1795.4	1810.5	1829.5	1796.2	1727.9	1634.9	1526.9	1449.8	1403.7	1371.2	1351.3
12.5°	1862.1	1877.2	1870.9	1792.2	1650.0	1484.0	1344.9	1233.7	1180.5	1151.1	1130.5
15°	1929.6	1939.2	1897.9	1744.5	1512.6	1289.3	1134.4	1024.0	958.9	935.0	917.6
17.5°	1998.8	1996.4	1902.6	1650.8	1329.1	1070.1	917.6	842.1	823.8	819.8	818.2
20°	2071.0	2049.6	1883.6	1516.5	1108.2	853.2	766.6	771.4	804.7	820.6	823.8
22.5°	2153.7	2099.6	1835.9	1334.6	882.6	711.0	719.7	766.6	811.9	833.3	836.5
25°	2241.8	2145.7	1756.5	1101.1	695.9	653.8	705.4	759.5	807.9	834.1	837.3
27.5°	2299.8	2156.8	1626.2	865.9	597.4	631.6	686.4	738.0	788.1	816.7	820.6
30°	2362.6	2152.1	1449.0	667.3	564.0	612.5	660.2	707.0	753.1	784.9	788.1
32.5°	2454.7	2148.9	1232.9	541.8	550.5	597.4	632.4	671.3	703.1	721.3	718.9
35°	2575.5	2144.9	981.1	488.6	542.6	585.5	613.3	631.6	596.6	585.5	587.9
37.5°	2730.4	2154.5	769.0	466.3	540.2	582.3	606.1	553.7	499.7	479.0	475.9
40°	2902.0	2179.1	586.3	457.6	548.1	590.3	579.1	492.5	425.8	385.3	376.6
42.5°	3074.4	2206.1	463.9	454.4	561.7	612.5	534.6	448.1	348.0	324.9	321.7
45°	3202.3	2201.3	401.2	448.8	573.6	625.2	522.7	384.5	310.6	300.3	301.1
47.5°	3266.6	2148.9	367.0	436.1	578.3	612.5	493.3	358.3	285.2	296.3	305.9
50°	3232.5	2013.1	335.2	411.5	568.0	595.8	446.5	338.4	272.5	318.6	340.0
52.5°	3191.2	1846.2	300.3	373.4	543.4	572.8	428.2	332.9	264.5	307.4	323.3
55°	3246.0	1740.6	243.1	314.6	494.9	518.8	413.9	332.1	246.3	239.1	236.7
57.5°	3168.9	1530.0	174.0	226.4	379.7	410.7	403.6	326.5	218.5	217.7	220.8
60°	2449.2	933.4	119.2	143.8	232.8	262.2	366.2	312.2	188.3	173.2	174.0
62.5°	1391.8	397.2	81.8	89.0	119.2	141.4	279.6	283.6	174.0	165.2	174.0
65°	484.6	142.2	63.6	59.6	65.9	75.5	160.5	219.3	158.1	143.0	144.6
67.5°	100.1	70.7	56.4	49.3	49.3	49.3	81.8	136.6	130.3	113.6	115.2
70°	63.6	60.4	49.3	42.1	40.5	37.3	46.9	75.5	89.8	82.6	83.4
72.5°	46.9	46.1	38.9	34.2	30.2	27.0	29.4	37.3	46.1	47.7	48.5
75°	28.6	29.4	25.4	21.4	19.1	16.7	17.5	17.5	17.5	15.9	17.5
77.5°	8.7	9.5	7.9	6.4	5.6	5.6	5.6	4.8	4.0	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4	1.6	1.6	0.8	0.8	0.0	0.0
82.5°	2.4	2.4	2.4	2.4	1.6	1.6	0.8	0.8	0.0	0.0	0.0
85°	2.4	2.4	2.4	2.4	1.6	1.6	0.8	0.8	0.0	0.0	0.0
87.5°	2.4	2.4	2.4	2.4	1.6	1.6	0.8	0.8	0.0	0.0	0.0
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)