

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: P633406

Luminaire Tested: GWS-SA2E-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-760-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9540.9 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

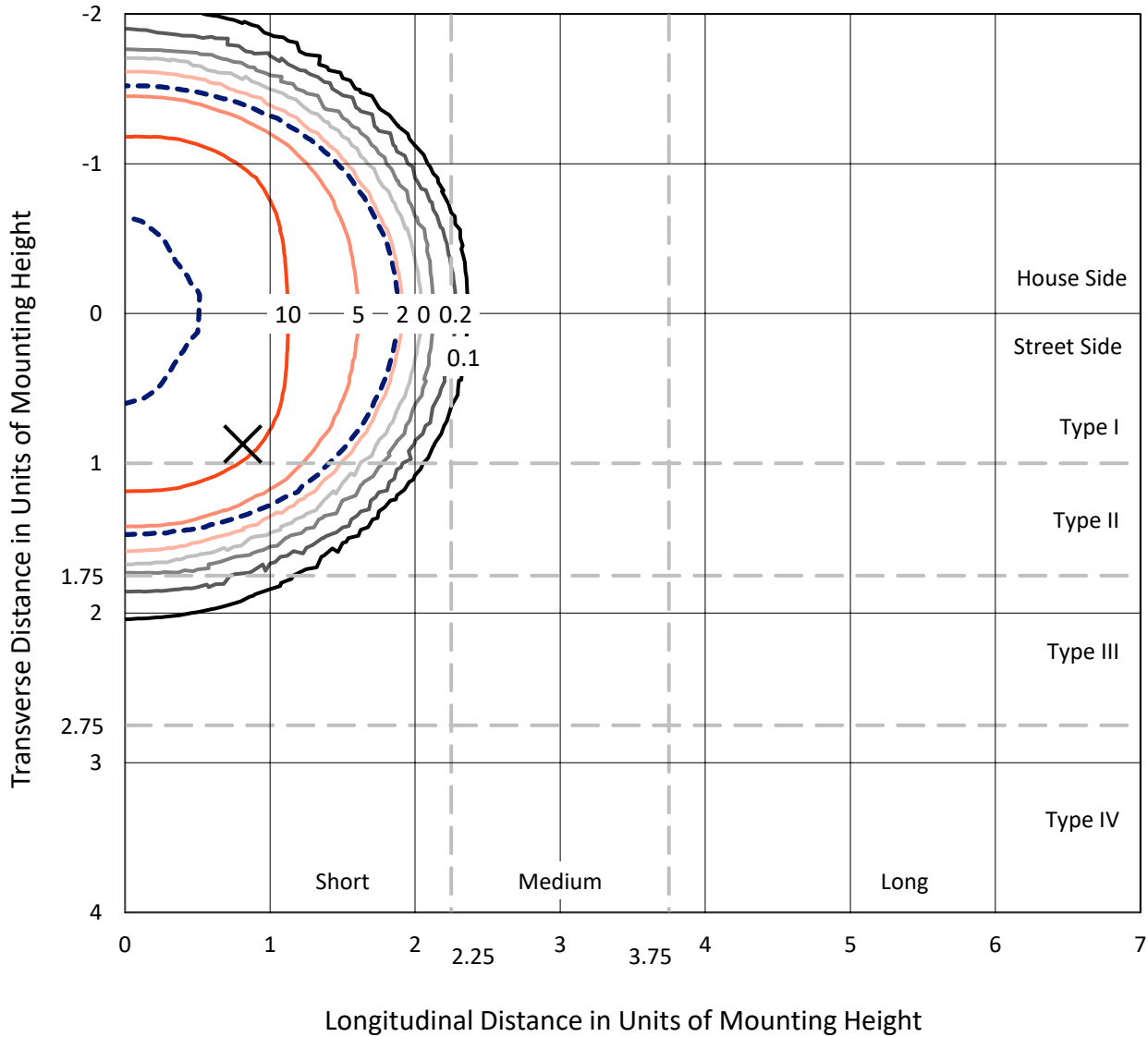
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA2E-760-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

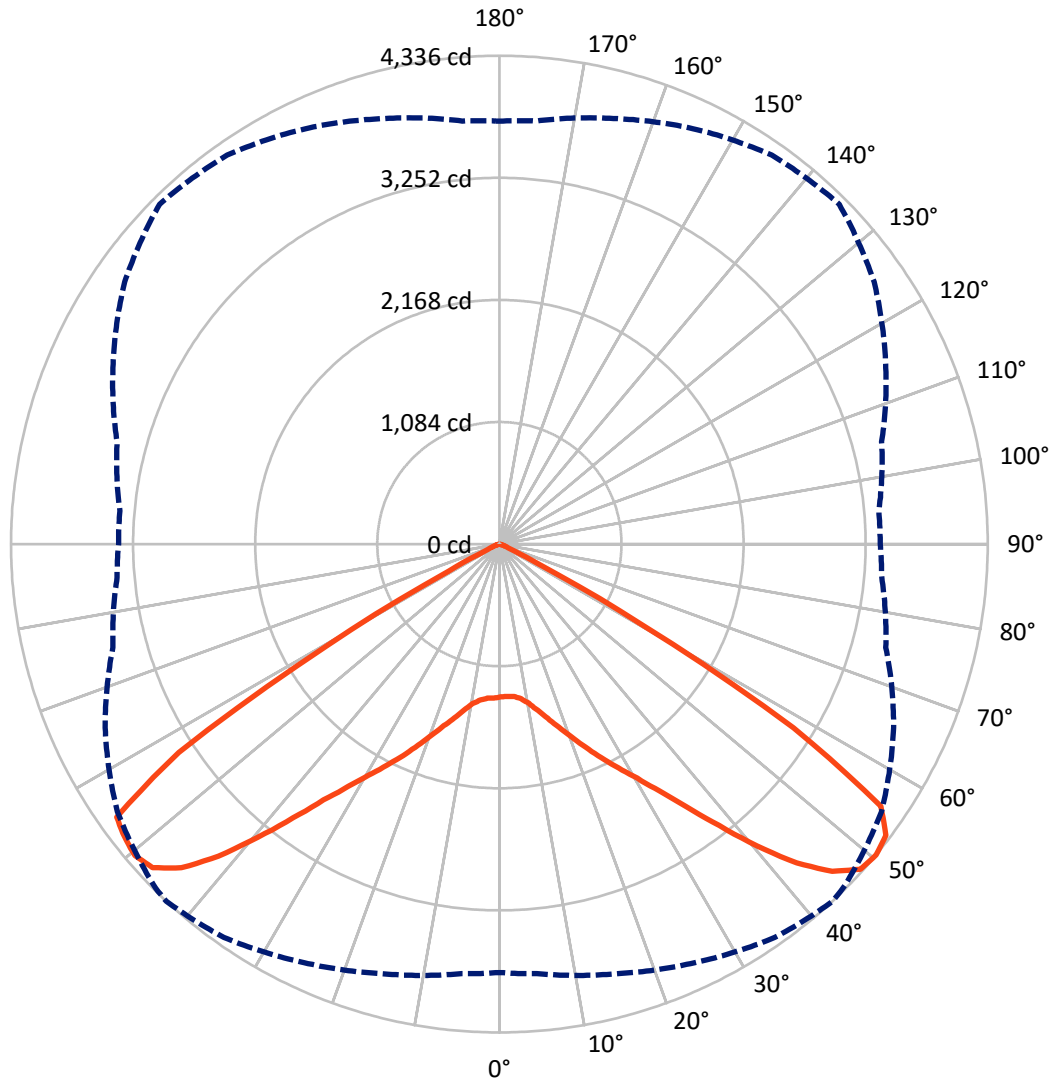
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
 Type V - Short - N/A

REPORT NUMBER: P633406
CATALOG NUMBER: GWS-SA2E-760-U-RW-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4770.3	0.0	4770.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4770.6	0.0	4770.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9540.9	0.0	9540.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.6	1.4
10°-20°	459.9	4.8
20°-30°	930.4	9.8
30°-40°	1726.3	18.1
40°-50°	2865.5	30.0
50°-60°	2924.4	30.7
60°-70°	479.6	5.0
70°-80°	21.0	0.2
80°-90°	0.3	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°	9540.9	100.0
0°-180°	9540.9	100.0

Coefficient of Utilization



REPORT NUMBER: P633406

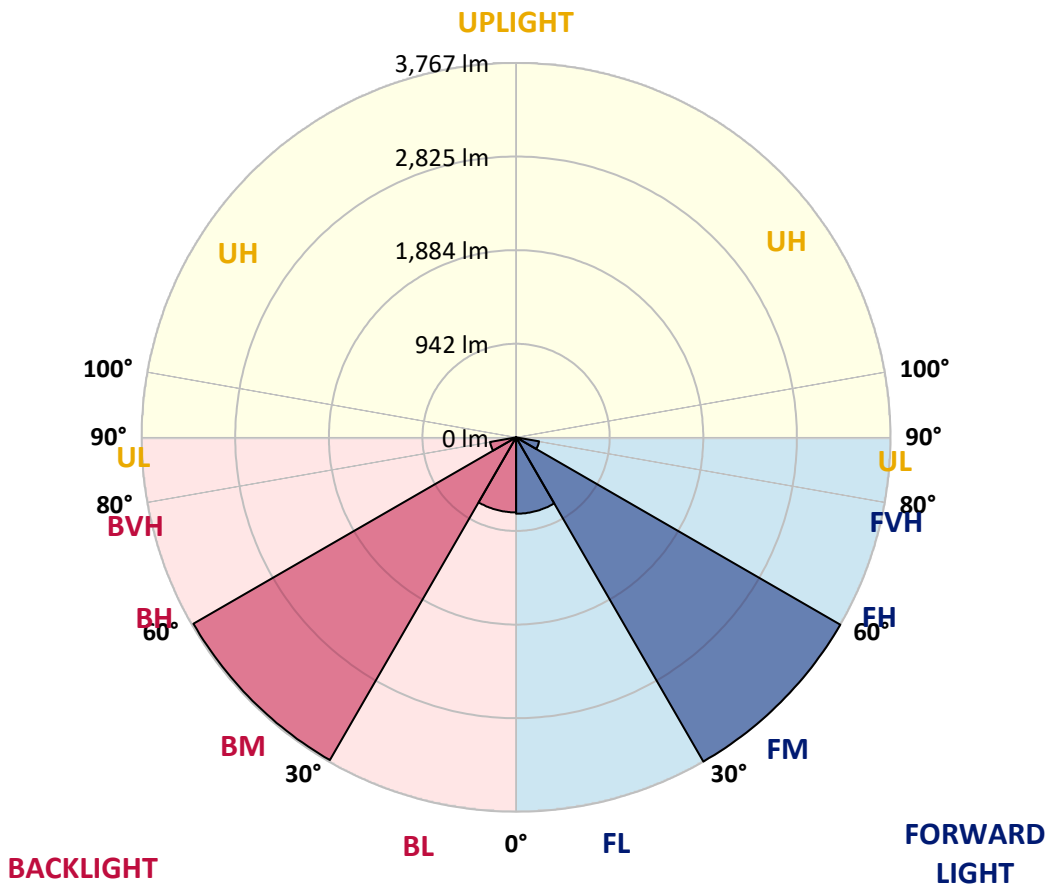
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	768.7	8.1			
FM (30°-60°)	3767.2	39.5			
FH (60°-80°)	234.6	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	755.3	7.9	B2/1000		
BM (30°-60°)	3748.9	39.3	B3/5000		
BH (60°-80°)	266.0	2.8	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P633406

CATALOG NUMBER: GWS-SA2E-760-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0
2.5°	1331.7	1334.9	1339.1	1343.3	1348.6	1353.9	1357.0	1366.5	1364.4	1372.9	1372.9
5°	1316.9	1320.1	1325.4	1334.9	1346.5	1358.1	1366.5	1385.5	1396.1	1413.0	1419.3
7.5°	1324.3	1328.6	1334.9	1349.7	1367.6	1385.5	1395.0	1425.6	1446.7	1478.4	1496.3
10°	1348.6	1352.8	1363.4	1388.7	1411.9	1437.2	1448.8	1487.9	1521.7	1564.9	1590.3
12.5°	1376.0	1381.3	1402.4	1440.4	1480.5	1514.3	1530.1	1573.4	1608.2	1656.7	1696.8
15°	1404.5	1413.0	1445.7	1501.6	1558.6	1604.0	1620.9	1667.3	1702.1	1753.8	1799.2
17.5°	1471.0	1480.5	1517.4	1577.6	1655.7	1708.4	1723.2	1771.8	1798.1	1833.0	1880.4
20°	1554.4	1572.3	1617.7	1690.5	1776.0	1826.6	1837.2	1884.7	1882.6	1897.3	1938.5
22.5°	1657.8	1670.4	1720.0	1806.6	1902.6	1958.5	1982.8	2002.9	1976.5	1963.8	1990.2
25°	1765.4	1780.2	1834.0	1929.0	2036.6	2101.0	2121.0	2136.9	2094.7	2047.2	2050.3
27.5°	1904.7	1915.3	1968.0	2069.3	2177.0	2249.8	2267.7	2295.2	2239.2	2163.2	2142.1
30°	2070.4	2080.9	2136.9	2243.4	2350.0	2412.3	2439.7	2473.5	2412.3	2317.3	2293.0
32.5°	2264.6	2275.1	2346.9	2456.6	2544.2	2611.7	2638.1	2674.0	2625.4	2518.9	2491.4
35°	2496.7	2503.0	2587.5	2706.7	2799.6	2865.0	2882.9	2925.1	2871.3	2764.7	2750.0
37.5°	2765.8	2773.2	2865.0	3003.2	3098.2	3171.0	3199.5	3211.1	3145.7	3026.4	3014.8
40°	3061.3	3085.5	3175.2	3324.0	3430.6	3522.4	3547.7	3508.7	3416.9	3254.4	3233.3
42.5°	3369.4	3390.5	3490.7	3652.2	3775.7	3869.6	3870.6	3786.2	3630.0	3405.3	3373.6
45°	3625.8	3634.3	3764.1	3926.6	4078.5	4145.0	4151.3	3998.3	3763.0	3492.9	3425.3
47.5°	3802.0	3815.8	3928.7	4084.8	4252.6	4312.8	4300.1	4109.1	3826.3	3549.8	3438.0
50°	3804.1	3827.4	3949.8	4100.7	4263.2	4336.0	4318.1	4140.8	3862.2	3551.9	3407.4
52.5°	3467.5	3505.5	3705.0	3923.4	4172.4	4296.9	4301.2	4181.9	3848.5	3518.2	3379.9
55°	2615.9	2657.1	2908.2	3280.7	3761.9	4109.1	4169.3	4133.4	3832.6	3533.0	3428.5
57.5°	1384.5	1352.8	1492.1	1861.4	2466.1	3080.3	3256.5	3543.5	3656.4	3550.9	3518.2
60°	301.8	321.8	428.4	577.2	962.4	1448.8	1620.9	2112.6	2697.2	2956.8	3144.6
62.5°	129.8	127.7	133.0	150.9	220.5	367.2	448.5	732.3	1155.5	1587.1	1879.4
65°	106.6	107.6	111.9	111.9	104.5	105.5	110.8	167.8	270.1	378.8	508.6
67.5°	80.2	81.3	88.6	90.8	85.5	76.0	74.9	63.3	66.5	83.4	86.5
70°	50.7	50.7	54.9	57.0	57.0	52.8	51.7	45.4	44.3	50.7	57.0
72.5°	27.4	27.4	29.5	30.6	29.5	28.5	28.5	27.4	26.4	30.6	39.0
75°	11.6	11.6	12.7	12.7	11.6	11.6	11.6	11.6	11.6	13.7	21.1
77.5°	2.1	3.2	4.2	3.2	2.1	2.1	2.1	3.2	3.2	4.2	6.3
80°	1.1	1.1	2.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P633406

CATALOG NUMBER: GWS-SA2E-760-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0	1357.0
2.5°	1380.3	1368.6	1372.9	1375.0	1371.8	1369.7	1358.1	1354.9	1349.7	1341.2	1339.1
5°	1426.7	1417.2	1416.1	1409.8	1395.0	1377.1	1354.9	1345.4	1334.9	1324.3	1322.2
7.5°	1504.8	1493.2	1485.8	1464.7	1430.9	1402.4	1365.5	1345.4	1331.7	1318.0	1314.8
10°	1605.0	1591.3	1570.2	1531.2	1485.8	1444.6	1401.4	1375.0	1353.9	1334.9	1333.8
12.5°	1711.6	1696.8	1658.8	1609.2	1554.4	1516.4	1461.5	1424.6	1392.9	1364.4	1361.3
15°	1823.5	1805.5	1753.8	1694.7	1644.1	1605.0	1544.9	1485.8	1437.2	1396.1	1391.9
17.5°	1908.9	1886.8	1825.6	1781.2	1740.1	1700.0	1632.5	1554.4	1490.0	1440.4	1428.8
20°	1962.8	1941.6	1883.6	1859.3	1840.3	1811.9	1731.7	1650.4	1578.6	1517.4	1506.9
22.5°	2014.5	1989.1	1938.5	1938.5	1953.3	1941.6	1855.1	1762.3	1677.8	1607.1	1591.3
25°	2072.5	2052.4	2016.6	2046.1	2083.0	2082.0	1993.4	1877.3	1780.2	1701.1	1685.2
27.5°	2156.9	2136.9	2124.2	2180.1	2226.6	2223.4	2126.3	2000.7	1898.4	1820.3	1805.5
30°	2305.7	2286.7	2273.0	2340.5	2399.6	2377.5	2270.9	2149.5	2046.1	1957.5	1946.9
32.5°	2504.1	2484.0	2466.1	2533.6	2586.4	2557.9	2456.6	2342.6	2223.4	2136.9	2115.8
35°	2764.7	2722.5	2704.6	2784.8	2806.9	2775.3	2678.2	2578.0	2451.3	2352.1	2338.4
37.5°	3033.8	2984.2	2971.6	3041.2	3077.1	3065.5	2951.5	2847.0	2709.9	2600.1	2584.3
40°	3263.9	3218.5	3196.3	3305.0	3386.3	3393.7	3291.3	3163.6	3002.2	2888.2	2859.7
42.5°	3398.9	3359.9	3354.6	3523.5	3656.4	3751.4	3629.0	3497.1	3327.2	3198.4	3175.2
45°	3429.5	3404.2	3448.5	3670.1	3877.0	4050.0	3945.6	3806.3	3622.6	3486.5	3464.4
47.5°	3426.4	3417.9	3497.1	3746.1	4007.8	4221.0	4169.3	4012.0	3834.8	3692.3	3671.2
50°	3381.0	3382.1	3514.0	3784.1	4060.6	4267.4	4215.7	4070.1	3911.8	3771.4	3754.6
52.5°	3363.1	3356.7	3482.3	3772.5	4114.4	4246.3	4130.2	3966.7	3790.4	3617.4	3592.0
55°	3426.4	3410.5	3486.5	3763.0	4120.7	4234.7	3928.7	3574.1	3213.2	3008.5	2991.6
57.5°	3521.3	3504.5	3540.3	3693.3	3790.4	3521.3	2891.4	2319.4	1948.0	1790.7	1722.2
60°	3144.6	3133.0	3105.6	2920.9	2505.1	1889.9	1287.4	821.0	589.9	477.0	477.0
62.5°	1951.1	1935.3	1786.5	1327.5	964.5	558.2	307.1	192.1	145.6	136.1	135.1
65°	547.7	544.5	450.6	318.7	202.6	125.6	110.8	112.9	110.8	107.6	106.6
67.5°	82.3	90.8	90.8	73.9	70.7	79.1	92.9	99.2	93.9	88.6	86.5
70°	52.8	57.0	54.9	47.5	50.7	59.1	66.5	67.5	64.4	59.1	58.0
72.5°	36.9	41.2	33.8	30.6	31.7	34.8	38.0	38.0	36.9	34.8	32.7
75°	22.2	22.2	15.8	14.8	14.8	15.8	15.8	17.9	17.9	16.9	15.8
77.5°	7.4	8.4	5.3	4.2	4.2	4.2	5.3	6.3	6.3	5.3	4.2
80°	1.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	1.1
82.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)