

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: P632309

Luminaire Tested: GWS-SA2C-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-740-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5434.6 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

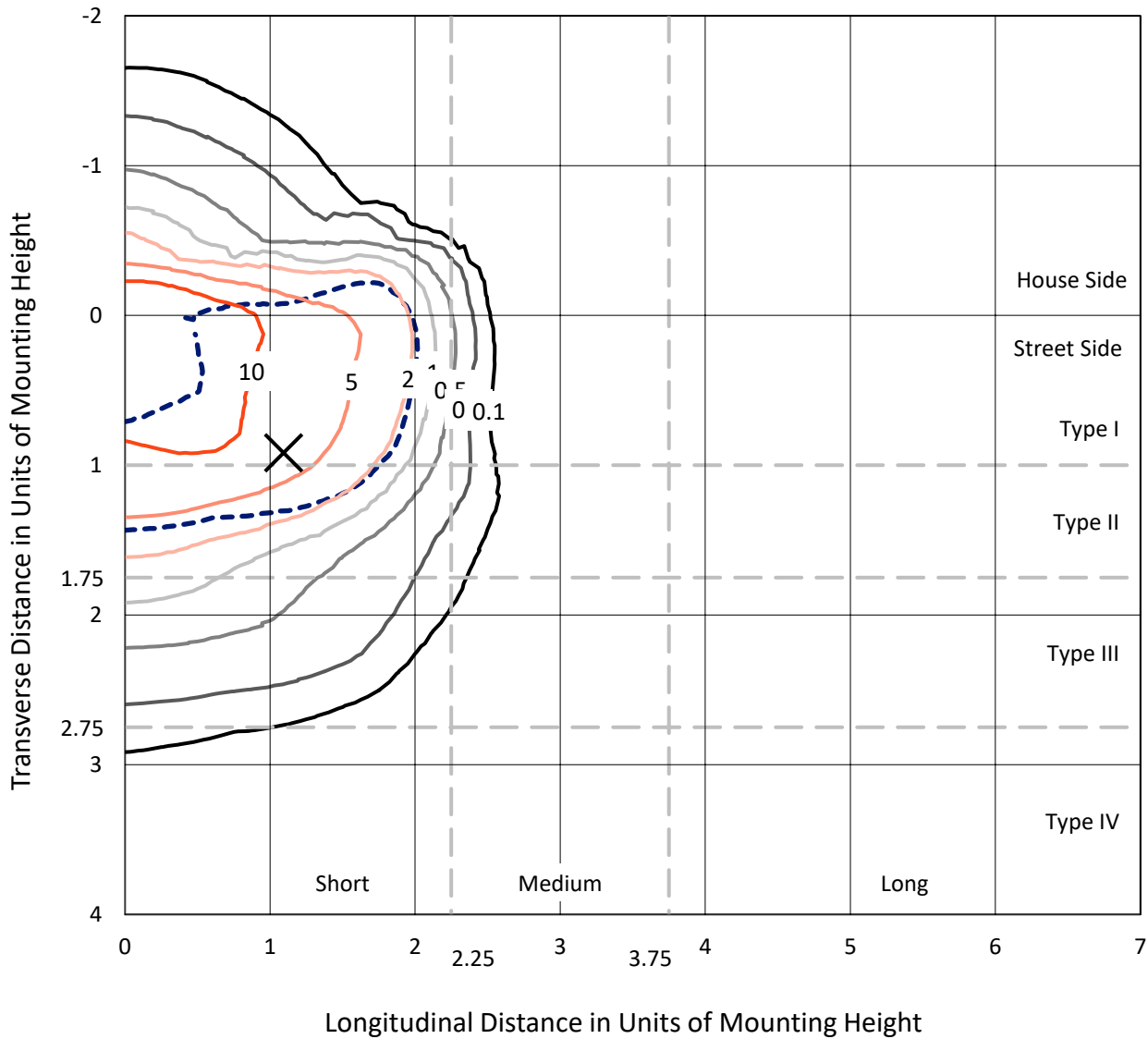
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

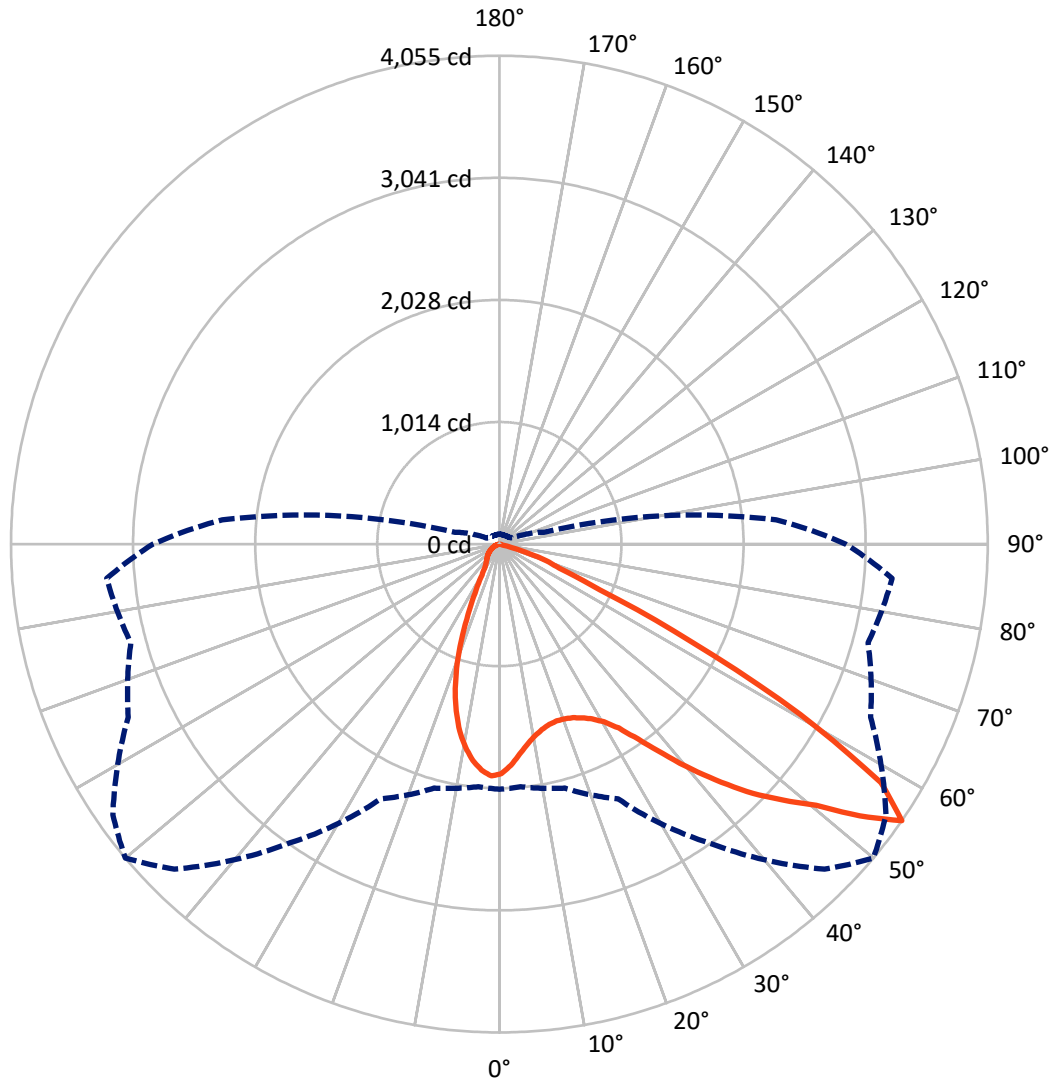
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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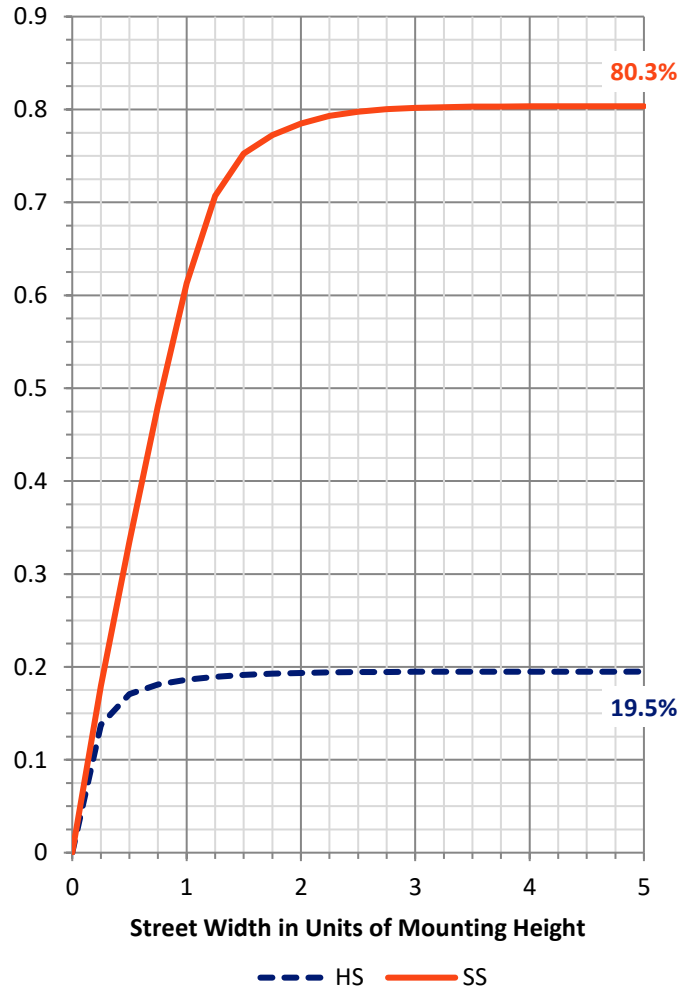
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1070.9	0.0	1070.9
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	4363.7	0.0	4363.7
	% Fixture	80.3	0.0	80.3
Total	Lumens	5434.6	0.0	5434.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.5	3.1
10°-20°	412.1	7.6
20°-30°	581.2	10.7
30°-40°	860.1	15.8
40°-50°	1240.9	22.8
50°-60°	1463.7	26.9
60°-70°	652.9	12.0
70°-80°	56.1	1.0
80°-90°	0.0	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°	5434.6	100.0
0°-180°	5434.6	100.0

Coefficient of Utilization



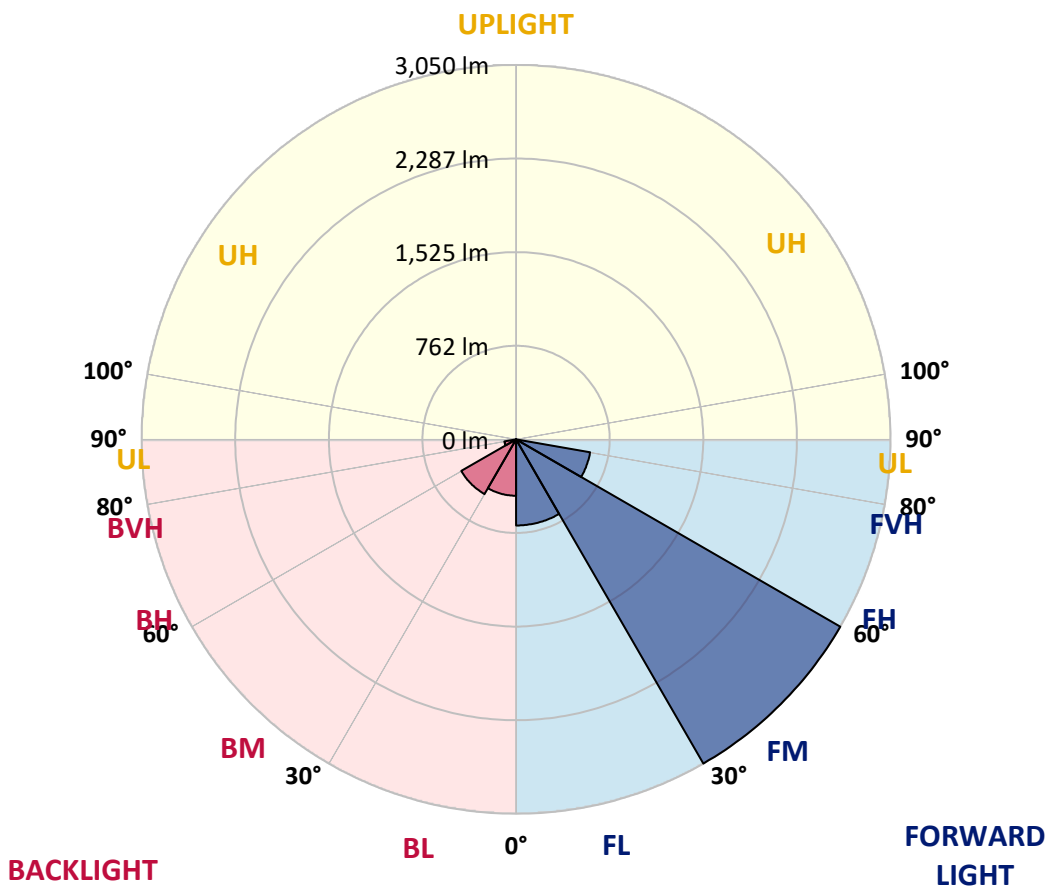
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	701.6	12.9			
FM (30°-60°)	3049.7	56.1			
FH (60°-80°)	612.4	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	459.1	8.4	B1/500		
BM (30°-60°)	515.0	9.5	B1/1000		
BH (60°-80°)	96.7	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8
2.5°	1771.4	1772.7	1773.4	1791.3	1798.0	1824.5	1838.4	1845.7	1865.0	1887.5	1906.1
5°	1652.7	1650.7	1654.0	1676.5	1691.1	1730.3	1751.5	1766.1	1808.6	1861.6	1906.1
7.5°	1549.2	1553.1	1557.1	1581.7	1603.6	1646.0	1676.5	1698.4	1757.5	1836.4	1911.4
10°	1476.2	1476.2	1482.2	1510.0	1535.9	1588.3	1618.8	1646.7	1717.0	1813.9	1917.4
12.5°	1422.4	1423.1	1430.4	1462.2	1492.1	1546.5	1578.4	1605.6	1683.2	1791.3	1918.7
15°	1397.2	1395.2	1401.2	1435.0	1468.2	1519.3	1552.5	1579.0	1659.3	1778.7	1925.3
17.5°	1390.6	1389.3	1393.9	1427.1	1460.9	1510.7	1543.2	1569.7	1656.0	1782.7	1945.2
20°	1409.8	1407.2	1405.2	1433.7	1465.6	1514.7	1548.5	1578.4	1671.9	1804.6	1975.8
22.5°	1455.6	1455.6	1451.0	1464.9	1486.1	1530.6	1565.7	1604.9	1713.7	1848.4	2020.9
25°	1539.9	1533.2	1524.6	1530.6	1527.9	1555.8	1597.6	1652.0	1792.6	1920.7	2075.9
27.5°	1636.1	1642.0	1627.4	1628.1	1604.9	1594.9	1643.4	1725.6	1910.1	2022.9	2157.5
30°	1766.8	1762.1	1762.8	1760.8	1707.1	1660.0	1712.4	1821.8	2058.0	2178.8	2263.7
32.5°	1868.9	1875.6	1897.5	1910.1	1839.8	1764.1	1819.8	1952.5	2226.5	2356.6	2393.7
35°	1977.1	1989.0	2033.5	2074.6	2015.6	1928.7	1988.4	2125.7	2385.1	2532.4	2543.0
37.5°	2091.2	2115.1	2168.2	2240.5	2231.2	2154.2	2208.6	2329.4	2509.8	2638.5	2666.4
40°	2221.9	2245.1	2332.0	2436.2	2458.1	2440.8	2458.8	2529.1	2592.1	2643.2	2719.5
42.5°	2365.2	2397.1	2507.2	2646.5	2728.8	2744.0	2702.2	2694.9	2627.9	2590.1	2708.2
45°	2534.4	2571.5	2696.3	2876.7	3007.4	3028.0	2955.7	2862.1	2650.5	2551.0	2674.4
47.5°	2724.1	2759.3	2883.4	3100.3	3294.7	3302.7	3176.6	3026.0	2717.5	2596.1	2700.2
50°	2787.8	2809.7	2917.2	3172.0	3530.2	3591.3	3408.8	3210.4	2852.2	2728.8	2826.3
52.5°	2568.9	2577.5	2671.1	2928.5	3482.5	3874.6	3747.8	3485.8	3091.7	2931.1	3020.7
55°	2035.5	2021.5	2097.2	2333.4	3026.7	3816.8	4055.0	3918.3	3400.2	3168.6	3273.5
57.5°	1423.8	1407.2	1389.9	1549.8	2258.4	3235.7	3736.6	3978.7	3694.1	3404.2	3546.1
60°	1170.3	1154.4	1070.8	997.2	1365.4	2323.4	2870.1	3325.9	3670.2	3392.2	3537.5
62.5°	1011.1	1001.8	968.0	867.8	803.4	1326.2	1797.3	2233.8	2816.4	2663.8	2671.7
65°	794.2	791.5	814.7	825.3	710.6	733.8	916.9	1161.0	1522.6	1435.7	1361.4
67.5°	542.7	536.7	580.5	713.9	683.4	579.2	536.7	541.4	658.8	402.7	319.8
70°	345.0	331.1	331.7	442.5	556.0	457.1	414.0	364.2	327.7	59.7	67.7
72.5°	220.9	212.3	182.4	199.7	257.4	222.9	224.9	193.7	129.4	31.8	37.2
75°	92.9	85.6	65.7	52.4	51.7	32.5	28.5	26.5	17.9	17.9	19.2
77.5°	0.7	0.0	0.0	0.7	1.3	0.7	0.7	1.3	2.7	4.0	4.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8	1906.8
2.5°	1917.4	1901.5	1919.4	1926.0	1925.3	1926.0	1906.8	1893.5	1892.8	1876.2	1868.3
5°	1924.7	1912.1	1925.3	1916.7	1896.1	1870.3	1835.8	1805.9	1792.6	1773.4	1764.1
7.5°	1938.6	1925.3	1923.3	1888.8	1837.8	1783.4	1722.3	1667.9	1638.7	1603.6	1605.6
10°	1948.6	1933.3	1907.4	1837.1	1752.2	1665.3	1574.4	1493.4	1442.3	1395.2	1387.3
12.5°	1952.5	1930.0	1869.6	1763.5	1644.0	1530.6	1397.2	1281.8	1202.2	1140.5	1131.8
15°	1959.8	1923.3	1821.2	1674.6	1510.7	1350.1	1180.3	1022.4	916.9	845.9	851.9
17.5°	1971.1	1916.0	1766.8	1575.0	1367.4	1140.5	910.9	729.8	632.9	591.8	592.5
20°	1987.0	1907.4	1707.1	1465.6	1195.5	903.6	636.9	500.2	473.0	471.7	469.7
22.5°	2008.3	1898.8	1643.4	1345.5	991.9	632.9	423.9	381.5	392.8	414.7	418.6
25°	2033.5	1888.2	1572.4	1210.1	769.6	415.3	317.8	311.2	338.4	367.6	374.2
27.5°	2072.6	1882.9	1491.4	1056.2	540.0	297.9	260.1	264.1	288.6	313.1	319.1
30°	2139.0	1892.8	1403.2	883.7	347.0	237.5	225.6	231.5	244.8	257.4	262.7
32.5°	2229.2	1922.0	1317.6	695.3	247.5	206.3	203.7	207.0	212.3	219.6	221.6
35°	2334.7	1972.4	1229.4	497.6	204.3	188.4	185.8	185.8	188.4	189.7	190.4
37.5°	2421.6	2025.5	1146.4	331.1	183.1	174.5	170.5	168.5	167.9	169.2	169.8
40°	2459.4	2047.4	1056.2	240.8	167.9	161.9	155.9	149.9	149.9	154.6	155.2
42.5°	2432.9	2022.9	952.1	199.0	157.2	148.6	139.3	134.0	136.7	141.3	142.6
45°	2376.5	1962.5	837.3	175.8	146.6	135.3	124.7	121.4	124.1	130.0	131.4
47.5°	2367.2	1922.7	699.9	160.6	135.3	124.1	112.8	109.5	112.8	117.4	118.8
50°	2459.4	1957.2	547.3	147.3	124.7	112.1	102.8	99.5	101.5	104.2	105.5
52.5°	2627.9	2085.2	441.9	134.7	112.1	100.2	94.2	90.2	90.2	92.9	93.5
55°	2876.7	2308.8	381.5	120.1	97.5	90.9	85.6	81.6	81.6	82.9	83.6
57.5°	3163.3	2579.5	395.4	100.8	85.6	82.3	77.6	74.3	75.6	75.6	75.6
60°	3123.5	2559.6	423.3	84.9	75.6	74.3	70.3	69.0	72.3	69.7	68.3
62.5°	2300.9	1768.1	221.6	69.7	65.0	63.7	61.0	63.7	68.3	61.0	58.4
65°	1117.3	855.9	88.9	57.1	55.1	53.7	52.4	56.4	59.0	47.8	45.1
67.5°	262.7	213.6	57.7	48.4	45.8	43.1	44.5	45.1	43.1	32.5	31.2
70°	68.3	67.0	45.1	40.5	36.5	33.8	33.8	33.2	28.5	20.6	19.2
72.5°	37.2	36.5	32.5	30.5	25.2	22.6	23.2	20.6	15.9	11.9	11.3
75°	18.6	19.9	18.6	17.2	13.9	12.6	12.6	11.3	8.0	4.6	4.6
77.5°	4.0	4.6	4.6	4.0	3.3	2.7	2.7	3.3	1.3	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)