

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: P632425

Luminaire Tested: GWS-SA2C-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7562.7 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

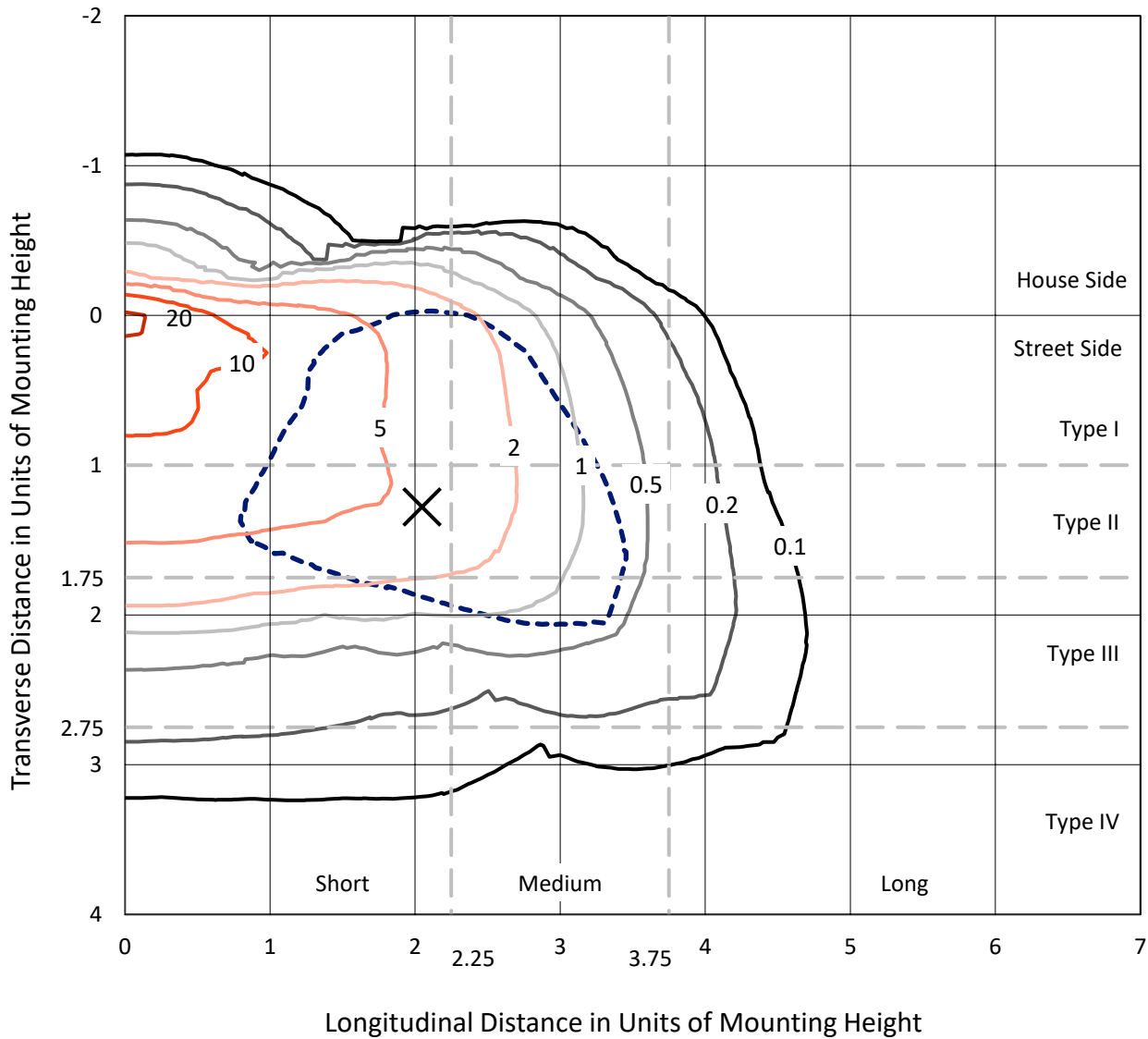
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

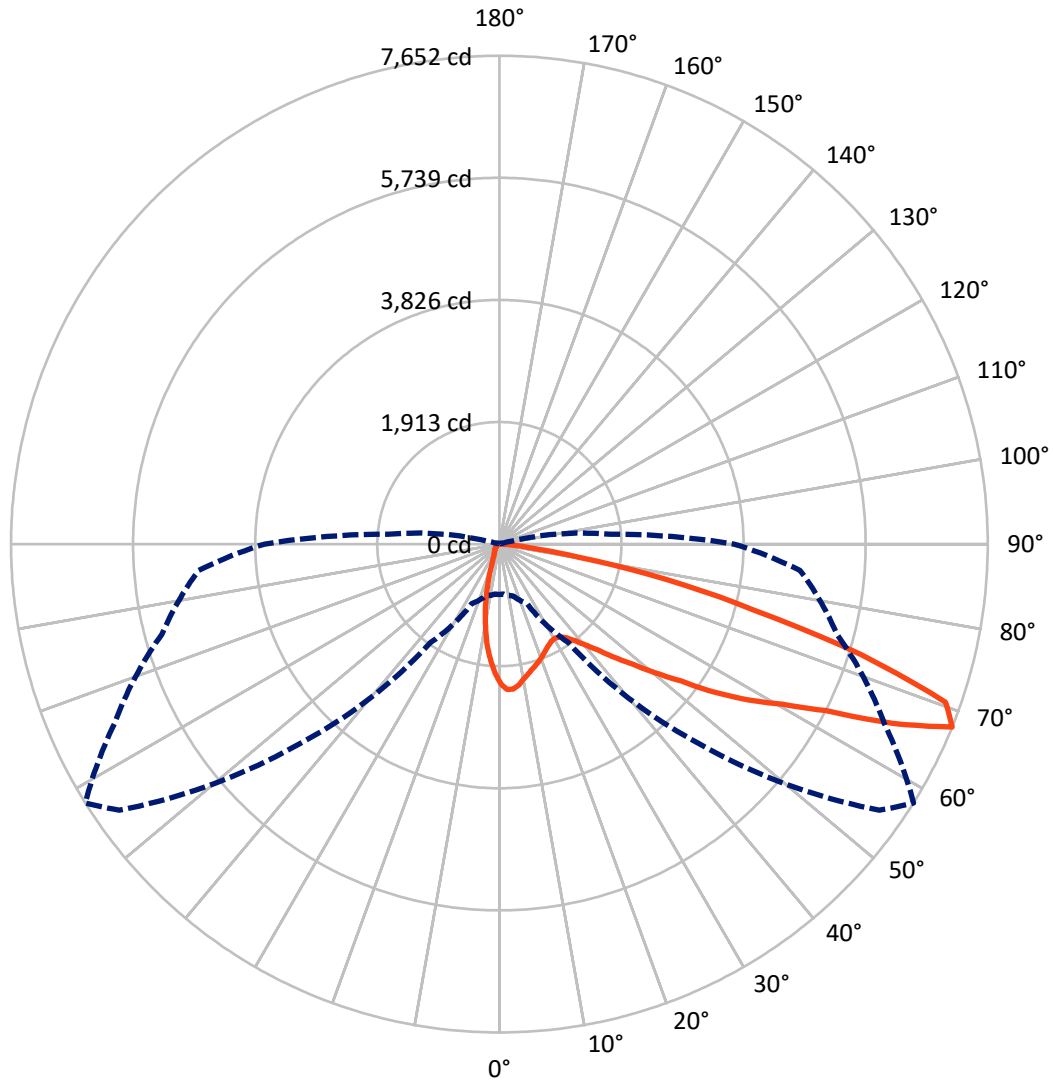
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	738.8	0.0	738.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6823.9	0.0	6823.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	7562.7	0.0	7562.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.3	2.3
10°-20°	369.0	4.9
20°-30°	497.6	6.6
30°-40°	699.3	9.2
40°-50°	1079.9	14.3
50°-60°	1727.0	22.8
60°-70°	2044.8	27.0
70°-80°	904.6	12.0
80°-90°	63.2	0.8
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°	7562.7	100.0
0°-180°	7562.7	100.0

Coefficient of Utilization



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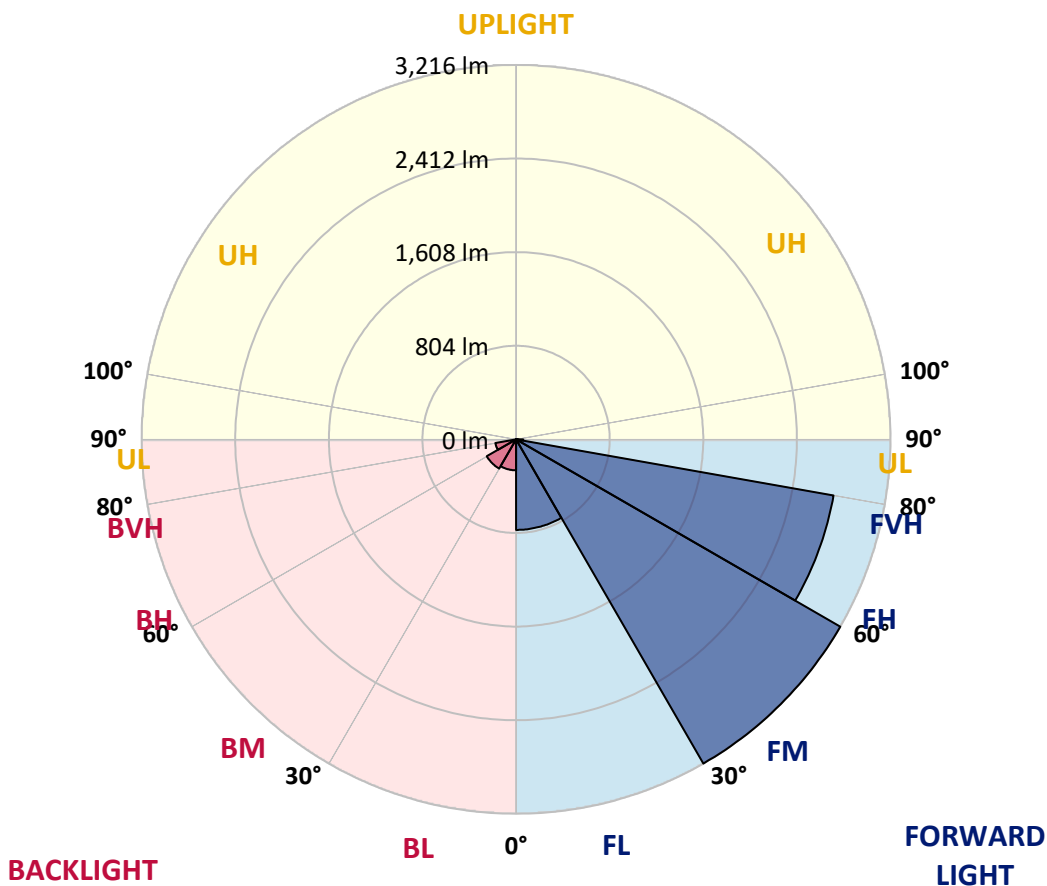
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	778.0	10.3			
FM (30°-60°)	3216.3	42.5			
FH (60°-80°)	2769.1	36.6			G2/5000
FVH (80°-90°)	60.5	0.8			G1/100
BL (0°-30°)	265.9	3.5	B1/500		
BM (30°-60°)	289.9	3.8	B1/1000		
BH (60°-80°)	180.4	2.4	B1/500		G1/500
BVH (80°-90°)	2.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4
2.5°	2294.6	2298.6	2303.9	2310.6	2309.3	2303.3	2295.9	2279.2	2268.5	2235.0	2194.2
5°	2220.9	2220.3	2233.6	2246.4	2269.1	2281.2	2297.9	2282.5	2277.2	2237.0	2170.7
7.5°	2077.0	2084.4	2099.8	2119.9	2152.7	2188.1	2228.3	2223.6	2239.7	2212.9	2130.6
10°	1935.8	1931.8	1955.9	1986.0	2036.2	2081.7	2139.9	2139.3	2181.4	2178.8	2085.1
12.5°	1812.0	1811.3	1830.0	1864.2	1923.1	1986.7	2065.6	2067.6	2119.9	2141.3	2046.2
15°	1707.5	1708.9	1726.9	1762.4	1823.3	1901.0	1992.7	2009.4	2068.3	2111.8	2008.1
17.5°	1633.2	1633.9	1644.6	1675.4	1735.0	1818.0	1928.4	1951.2	2026.8	2089.7	1977.3
20°	1599.1	1596.4	1598.4	1613.8	1660.0	1735.6	1862.8	1892.3	1988.7	2074.3	1949.2
22.5°	1603.8	1599.8	1590.4	1588.4	1609.1	1666.7	1793.2	1829.4	1947.2	2065.0	1923.7
25°	1645.3	1636.6	1623.2	1603.1	1595.1	1623.9	1732.3	1769.8	1908.3	2065.6	1904.3
27.5°	1708.9	1699.5	1682.8	1656.0	1624.5	1612.5	1690.8	1726.3	1880.9	2081.0	1895.0
30°	1789.9	1782.5	1766.4	1734.3	1692.1	1642.6	1682.1	1711.5	1867.5	2112.5	1899.0
32.5°	1885.6	1880.2	1866.8	1837.4	1789.2	1713.6	1711.5	1734.3	1878.2	2158.0	1914.4
35°	1978.0	1980.0	1980.6	1964.6	1913.0	1821.3	1792.5	1800.6	1922.4	2226.3	1949.2
37.5°	2077.7	2073.0	2097.1	2108.5	2058.9	1961.2	1917.7	1918.4	2006.7	2327.4	2014.8
40°	2153.3	2154.7	2206.9	2253.7	2233.0	2138.6	2076.3	2075.7	2136.6	2465.9	2120.5
42.5°	2224.3	2233.0	2310.0	2390.3	2419.1	2335.4	2290.5	2273.8	2318.7	2653.3	2279.2
45°	2299.9	2312.6	2420.4	2534.9	2610.5	2561.0	2525.5	2532.2	2537.5	2871.5	2492.7
47.5°	2388.3	2396.3	2529.5	2690.8	2832.1	2819.3	2821.3	2813.3	2810.6	3146.7	2775.2
50°	2495.4	2514.1	2667.4	2860.2	3052.9	3137.3	3165.4	3168.7	3125.2	3446.5	3067.7
52.5°	2722.9	2745.7	2876.9	3045.6	3293.9	3471.3	3585.8	3563.0	3496.1	3737.0	3388.3
55°	2991.4	3008.8	3135.3	3310.0	3588.4	3837.4	4109.2	4099.8	3935.8	4042.9	3652.0
57.5°	3016.8	3036.2	3232.3	3500.1	3966.6	4289.9	4575.7	4605.9	4365.6	4259.8	3887.6
60°	2731.0	2770.5	3038.2	3398.3	4111.2	4898.4	5087.1	5093.1	4680.8	4480.0	4175.5
62.5°	2188.8	2207.5	2477.3	2947.2	3888.3	5253.1	5868.3	5741.1	5085.8	4820.7	4631.3
65°	1147.3	1223.6	1458.5	1978.6	3153.3	5129.3	6808.0	6773.2	5814.0	5308.7	4986.0
67.5°	787.2	786.5	842.1	1031.5	1880.2	4416.4	7269.2	7652.1	6656.1	5476.0	4729.0
70°	599.1	601.1	650.6	773.8	973.9	2939.8	6763.2	7417.8	6812.7	4972.0	3824.7
72.5°	397.6	401.6	483.9	625.2	777.8	1441.1	5255.8	5935.2	5732.4	3993.4	2692.2
75°	237.6	241.0	299.9	454.5	691.4	806.6	3339.4	4103.2	3945.9	2752.4	1443.1
77.5°	97.7	100.4	154.0	283.1	506.0	626.5	1846.8	2684.8	2363.5	1094.4	394.3
80°	40.8	42.2	74.3	198.1	364.8	392.9	855.4	1261.7	968.6	235.6	120.5
82.5°	14.7	15.4	27.4	109.1	226.9	295.9	431.7	498.7	273.1	77.0	64.9
85°	0.7	0.7	6.7	36.8	86.3	83.7	247.0	239.0	90.4	32.1	38.8
87.5°	0.0	0.0	0.7	0.7	1.3	3.3	23.4	41.5	19.4	8.0	16.7
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°	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4	2181.4
2.5°	2167.4	2131.9	2093.1	2056.9	1999.4	1965.2	1923.1	1904.3	1877.5	1870.9	1874.9
5°	2123.2	2062.3	1969.3	1884.9	1775.8	1688.1	1599.8	1562.3	1514.1	1482.0	1468.6
7.5°	2061.0	1981.3	1836.0	1682.8	1532.8	1372.9	1251.0	1170.7	1097.7	1057.6	1049.6
10°	1998.0	1894.3	1686.1	1466.6	1234.3	1042.9	878.2	756.4	657.3	612.5	577.7
12.5°	1933.1	1803.9	1533.5	1247.0	977.3	716.2	512.7	394.3	323.3	295.2	299.9
15°	1873.5	1716.9	1382.2	1027.5	688.1	432.4	283.1	239.0	222.2	216.9	216.2
17.5°	1816.6	1634.6	1231.6	813.9	453.8	265.1	216.9	206.2	201.5	198.8	198.8
20°	1765.1	1555.6	1084.4	613.1	293.2	210.2	196.1	190.8	186.8	184.7	184.7
22.5°	1716.9	1479.3	940.4	433.7	216.2	188.8	180.1	174.7	170.0	167.3	167.3
25°	1673.4	1410.3	803.2	298.5	186.1	172.7	163.3	157.3	149.3	144.6	144.6
27.5°	1641.9	1348.8	671.4	217.5	168.0	155.3	144.6	136.5	127.8	122.5	121.2
30°	1623.2	1296.5	538.2	178.7	151.3	138.6	126.5	116.5	106.4	101.1	100.4
32.5°	1612.5	1248.4	416.3	156.0	137.2	122.5	109.1	98.4	88.4	82.3	81.7
35°	1616.5	1210.9	311.9	140.6	123.8	108.4	93.7	83.0	74.3	68.9	67.6
37.5°	1651.3	1194.1	234.3	128.5	112.5	96.4	81.0	71.0	62.9	58.9	58.2
40°	1718.9	1197.5	184.1	119.1	103.1	84.3	69.6	60.2	54.2	50.9	50.2
42.5°	1824.0	1225.6	151.9	111.1	93.0	73.6	60.2	52.9	46.9	43.5	42.8
45°	1980.6	1283.8	132.5	101.7	82.3	63.6	52.2	45.5	40.2	36.1	35.5
47.5°	2207.5	1384.9	119.8	93.0	73.0	54.9	44.8	38.2	33.5	30.1	29.5
50°	2449.2	1506.1	109.1	84.3	64.9	47.5	38.2	31.5	27.4	24.1	23.4
52.5°	2706.9	1636.6	101.1	76.3	57.6	40.8	32.1	26.1	22.1	18.7	18.1
55°	2954.5	1767.8	91.7	71.0	48.9	34.8	26.8	21.4	17.4	14.7	14.7
57.5°	3195.5	1888.3	81.7	62.3	40.2	29.5	22.1	17.4	14.1	12.0	11.4
60°	3483.3	2054.9	70.3	52.9	33.5	24.8	18.1	14.1	11.4	9.4	9.4
62.5°	3911.1	2228.3	60.2	44.2	28.1	20.8	14.7	11.4	9.4	8.0	7.4
65°	4051.0	2134.6	50.9	36.1	22.8	16.7	12.0	10.0	8.0	7.4	6.7
67.5°	3677.5	1749.7	42.2	29.5	18.7	14.1	10.7	8.7	7.4	6.7	6.0
70°	2869.5	1241.7	32.8	22.1	15.4	11.4	9.4	8.0	6.7	6.0	6.0
72.5°	1951.8	734.3	26.1	16.7	12.7	10.0	8.0	7.4	6.7	6.0	5.4
75°	961.2	261.0	20.1	12.7	10.0	8.7	7.4	6.7	6.0	5.4	5.4
77.5°	259.0	72.3	15.4	10.0	8.0	6.7	6.7	6.7	6.0	4.7	4.7
80°	87.7	30.1	11.4	7.4	6.7	5.4	4.7	6.0	5.4	4.7	4.0
82.5°	48.2	14.7	8.0	6.0	4.7	4.0	4.0	4.0	4.0	3.3	3.3
85°	30.8	8.0	5.4	4.7	4.7	3.3	2.7	2.7	2.0	2.0	2.0
87.5°	14.1	4.7	4.7	4.0	4.0	3.3	2.0	1.3	0.7	0.7	0.7
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)