

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: P632590

Luminaire Tested: GWS-SA2D-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632590
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-SA2D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6965.8 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

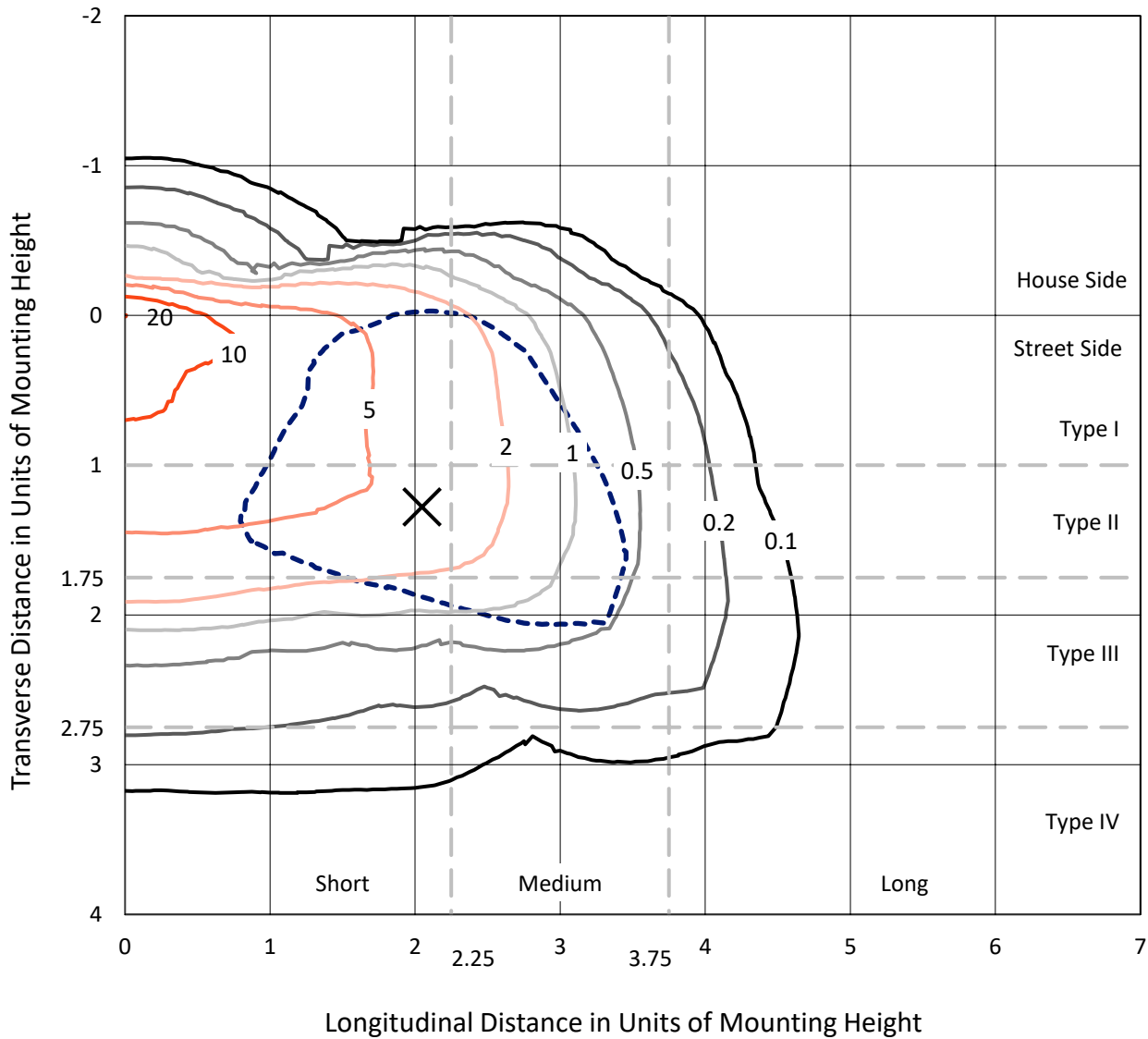
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

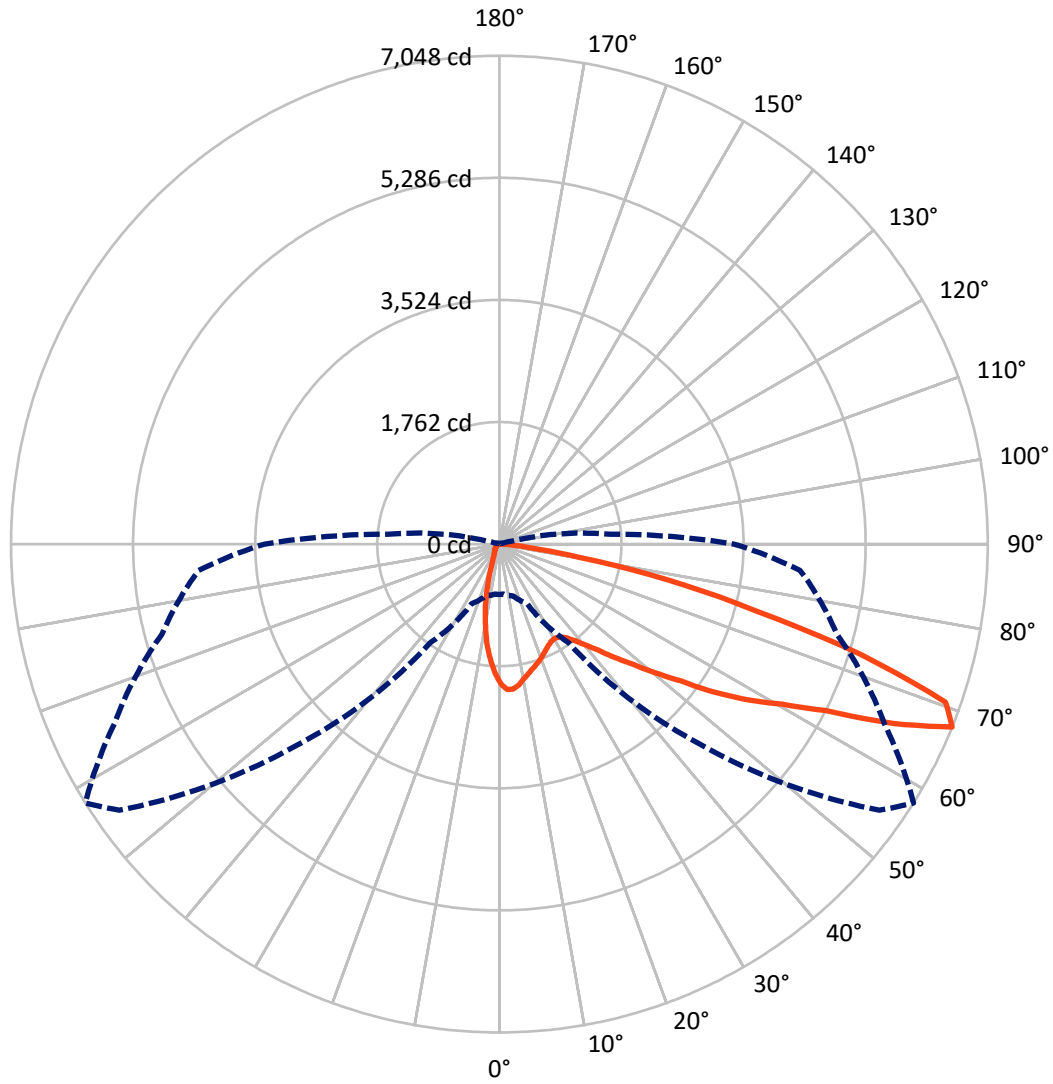
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.1 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	680.5	0.0	680.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6285.3	0.0	6285.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	6965.8	0.0	6965.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	2.3
10°-20°	339.9	4.9
20°-30°	458.3	6.6
30°-40°	644.1	9.2
40°-50°	994.7	14.3
50°-60°	1590.7	22.8
60°-70°	1883.5	27.0
70°-80°	833.2	12.0
80°-90°	58.2	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°	6965.8	100.0
0°-180°	6965.8	100.0

Coefficient of Utilization



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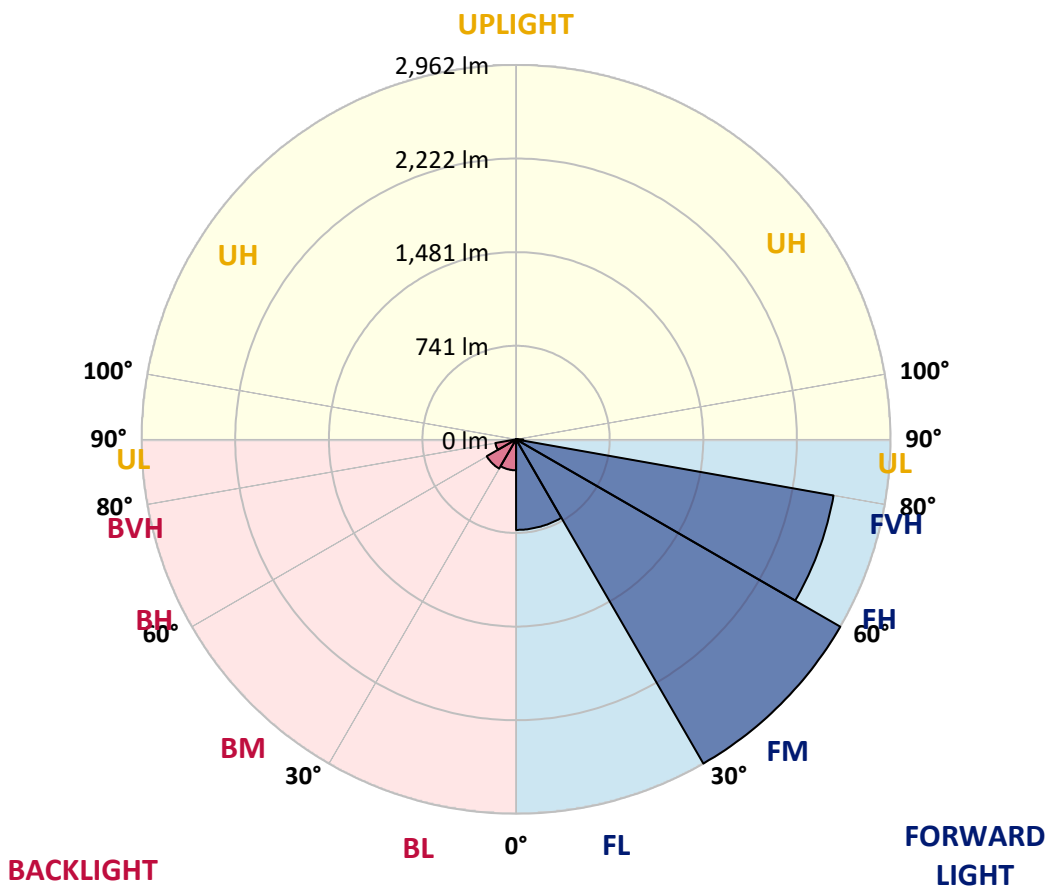
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	716.6	10.3			
FM (30°-60°)	2962.4	42.5			
FH (60°-80°)	2550.5	36.6			G2/5000
FVH (80°-90°)	55.8	0.8			G1/100
BL (0°-30°)	244.9	3.5	B1/500		
BM (30°-60°)	267.0	3.8	B1/1000		
BH (60°-80°)	166.1	2.4	B1/500		G1/500
BVH (80°-90°)	2.5	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°	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3
2.5°	2113.5	2117.2	2122.1	2128.3	2127.0	2121.5	2114.7	2099.3	2089.4	2058.6	2021.0
5°	2045.6	2045.0	2057.4	2069.1	2090.0	2101.1	2116.5	2102.4	2097.4	2060.4	1999.4
7.5°	1913.1	1919.9	1934.0	1952.5	1982.8	2015.4	2052.4	2048.1	2062.9	2038.2	1962.4
10°	1783.0	1779.3	1801.5	1829.2	1875.5	1917.4	1971.0	1970.4	2009.3	2006.8	1920.5
12.5°	1668.9	1668.3	1685.6	1717.0	1771.3	1829.9	1902.6	1904.5	1952.5	1972.3	1884.7
15°	1572.8	1574.0	1590.6	1623.3	1679.4	1750.9	1835.4	1850.8	1905.1	1945.1	1849.6
17.5°	1504.3	1504.9	1514.8	1543.2	1598.0	1674.5	1776.2	1797.2	1866.8	1924.8	1821.2
20°	1472.9	1470.4	1472.3	1486.4	1529.0	1598.7	1715.8	1742.9	1831.7	1910.6	1795.3
22.5°	1477.2	1473.5	1464.9	1463.0	1482.1	1535.2	1651.7	1685.0	1793.5	1902.0	1771.9
25°	1515.4	1507.4	1495.1	1476.6	1469.2	1495.7	1595.6	1630.1	1757.7	1902.6	1754.0
27.5°	1574.0	1565.4	1550.0	1525.3	1496.3	1485.2	1557.3	1590.0	1732.4	1916.8	1745.4
30°	1648.6	1641.8	1627.0	1597.4	1558.6	1513.0	1549.3	1576.5	1720.1	1945.8	1749.1
32.5°	1736.8	1731.8	1719.5	1692.4	1648.0	1578.3	1576.5	1597.4	1730.0	1987.7	1763.3
35°	1821.8	1823.7	1824.3	1809.5	1762.0	1677.6	1651.1	1658.5	1770.7	2050.6	1795.3
37.5°	1913.7	1909.4	1931.6	1942.1	1896.4	1806.4	1766.4	1767.0	1848.3	2143.7	1855.7
40°	1983.4	1984.6	2032.7	2075.8	2056.7	1969.8	1912.5	1911.9	1968.0	2271.3	1953.2
42.5°	2048.7	2056.7	2127.6	2201.6	2228.1	2151.1	2109.8	2094.3	2135.7	2443.9	2099.3
45°	2118.4	2130.1	2229.4	2334.8	2404.5	2358.8	2326.2	2332.3	2337.3	2644.9	2295.9
47.5°	2199.8	2207.2	2329.9	2478.4	2608.5	2596.8	2598.7	2591.3	2588.8	2898.3	2556.1
50°	2298.4	2315.7	2456.9	2634.4	2812.0	2889.7	2915.6	2918.6	2878.6	3174.5	2825.5
52.5°	2508.0	2529.0	2649.8	2805.2	3033.9	3197.3	3302.7	3281.8	3220.1	3442.1	3120.9
55°	2755.3	2771.3	2887.8	3048.7	3305.2	3534.6	3784.9	3776.2	3625.2	3723.8	3363.8
57.5°	2778.7	2796.6	2977.2	3223.8	3653.5	3951.3	4214.6	4242.3	4021.0	3923.6	3580.8
60°	2515.4	2551.8	2798.4	3130.1	3786.7	4511.7	4685.6	4691.2	4311.4	4126.4	3845.9
62.5°	2016.0	2033.3	2281.8	2714.6	3581.4	4838.5	5405.1	5288.0	4684.4	4440.2	4265.8
65°	1056.7	1127.0	1343.4	1822.5	2904.5	4724.5	6270.7	6238.6	5355.2	4889.7	4592.5
67.5°	725.0	724.4	775.6	950.1	1731.8	4067.8	6695.5	7048.1	6130.8	5043.8	4355.8
70°	551.8	553.6	599.3	712.7	897.0	2707.8	6229.4	6832.4	6275.0	4579.6	3522.8
72.5°	366.2	369.9	445.7	575.8	716.4	1327.4	4841.0	5466.8	5279.9	3678.2	2479.7
75°	218.9	221.9	276.2	418.6	636.9	742.9	3075.9	3779.3	3634.4	2535.2	1329.2
77.5°	90.0	92.5	141.8	260.8	466.1	577.1	1701.0	2472.9	2177.0	1008.0	363.1
80°	37.6	38.8	68.4	182.5	336.0	361.9	787.9	1162.2	892.1	217.0	111.0
82.5°	13.6	14.2	25.3	100.5	209.0	272.5	397.7	459.3	251.5	70.9	59.8
85°	0.6	0.6	6.2	33.9	79.5	77.1	227.5	220.1	83.2	29.6	35.8
87.5°	0.0	0.0	0.6	0.6	1.2	3.1	21.6	38.2	17.9	7.4	15.4
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°	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3	2009.3
2.5°	1996.3	1963.6	1927.9	1894.6	1841.6	1810.1	1771.3	1754.0	1729.4	1723.2	1726.9
5°	1955.6	1899.5	1813.8	1736.1	1635.6	1554.9	1473.5	1439.0	1394.6	1365.0	1352.7
7.5°	1898.3	1824.9	1691.1	1550.0	1411.8	1264.5	1152.3	1078.3	1011.1	974.1	966.7
10°	1840.3	1744.8	1553.0	1350.8	1136.9	960.6	808.9	696.7	605.4	564.1	532.1
12.5°	1780.5	1661.5	1412.5	1148.6	900.1	659.7	472.3	363.1	297.8	271.9	276.2
15°	1725.7	1581.4	1273.1	946.4	633.8	398.3	260.8	220.1	204.7	199.8	199.1
17.5°	1673.3	1505.6	1134.4	749.7	418.0	244.1	199.8	189.9	185.6	183.1	183.1
20°	1625.8	1432.8	998.8	564.7	270.0	193.6	180.6	175.7	172.0	170.2	170.2
22.5°	1581.4	1362.5	866.2	399.5	199.1	173.9	165.8	160.9	156.6	154.1	154.1
25°	1541.3	1299.0	739.8	275.0	171.4	159.1	150.4	144.9	137.5	133.2	133.2
27.5°	1512.3	1242.3	618.4	200.4	154.7	143.0	133.2	125.8	117.8	112.8	111.6
30°	1495.1	1194.2	495.7	164.6	139.3	127.6	116.5	107.3	98.0	93.1	92.5
32.5°	1485.2	1149.8	383.5	143.7	126.4	112.8	100.5	90.6	81.4	75.8	75.2
35°	1488.9	1115.3	287.3	129.5	114.1	99.9	86.3	76.4	68.4	63.5	62.3
37.5°	1521.0	1099.9	215.8	118.4	103.6	88.8	74.6	65.4	58.0	54.3	53.6
40°	1583.2	1103.0	169.5	109.7	94.9	77.7	64.1	55.5	49.9	46.9	46.2
42.5°	1680.0	1128.9	140.0	102.3	85.7	67.8	55.5	48.7	43.2	40.1	39.5
45°	1824.3	1182.5	122.1	93.7	75.8	58.6	48.1	41.9	37.0	33.3	32.7
47.5°	2033.3	1275.6	110.4	85.7	67.2	50.6	41.3	35.1	30.8	27.7	27.1
50°	2255.9	1387.2	100.5	77.7	59.8	43.8	35.1	29.0	25.3	22.2	21.6
52.5°	2493.2	1507.4	93.1	70.3	53.0	37.6	29.6	24.0	20.3	17.3	16.6
55°	2721.4	1628.2	84.5	65.4	45.0	32.1	24.7	19.7	16.0	13.6	13.6
57.5°	2943.3	1739.2	75.2	57.3	37.0	27.1	20.3	16.0	12.9	11.1	10.5
60°	3208.4	1892.7	64.7	48.7	30.8	22.8	16.6	12.9	10.5	8.6	8.6
62.5°	3602.4	2052.4	55.5	40.7	25.9	19.1	13.6	10.5	8.6	7.4	6.8
65°	3731.2	1966.1	46.9	33.3	21.0	15.4	11.1	9.2	7.4	6.8	6.2
67.5°	3387.2	1611.6	38.8	27.1	17.3	12.9	9.9	8.0	6.8	6.2	5.5
70°	2643.1	1143.7	30.2	20.3	14.2	10.5	8.6	7.4	6.2	5.5	5.5
72.5°	1797.8	676.3	24.0	15.4	11.7	9.2	7.4	6.8	6.2	5.5	4.9
75°	885.3	240.4	18.5	11.7	9.2	8.0	6.8	6.2	5.5	4.9	4.9
77.5°	238.6	66.6	14.2	9.2	7.4	6.2	6.2	6.2	5.5	4.3	4.3
80°	80.8	27.7	10.5	6.8	6.2	4.9	4.3	5.5	4.9	4.3	3.7
82.5°	44.4	13.6	7.4	5.5	4.3	3.7	3.7	3.7	3.7	3.1	3.1
85°	28.4	7.4	4.9	4.3	4.3	3.1	2.5	2.5	1.8	1.8	1.8
87.5°	12.9	4.3	4.3	3.7	3.7	3.1	1.8	1.2	0.6	0.6	0.6
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)