

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: P633079

Luminaire Tested: GWS-SA2E-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633079
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-SA2E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6310.9 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

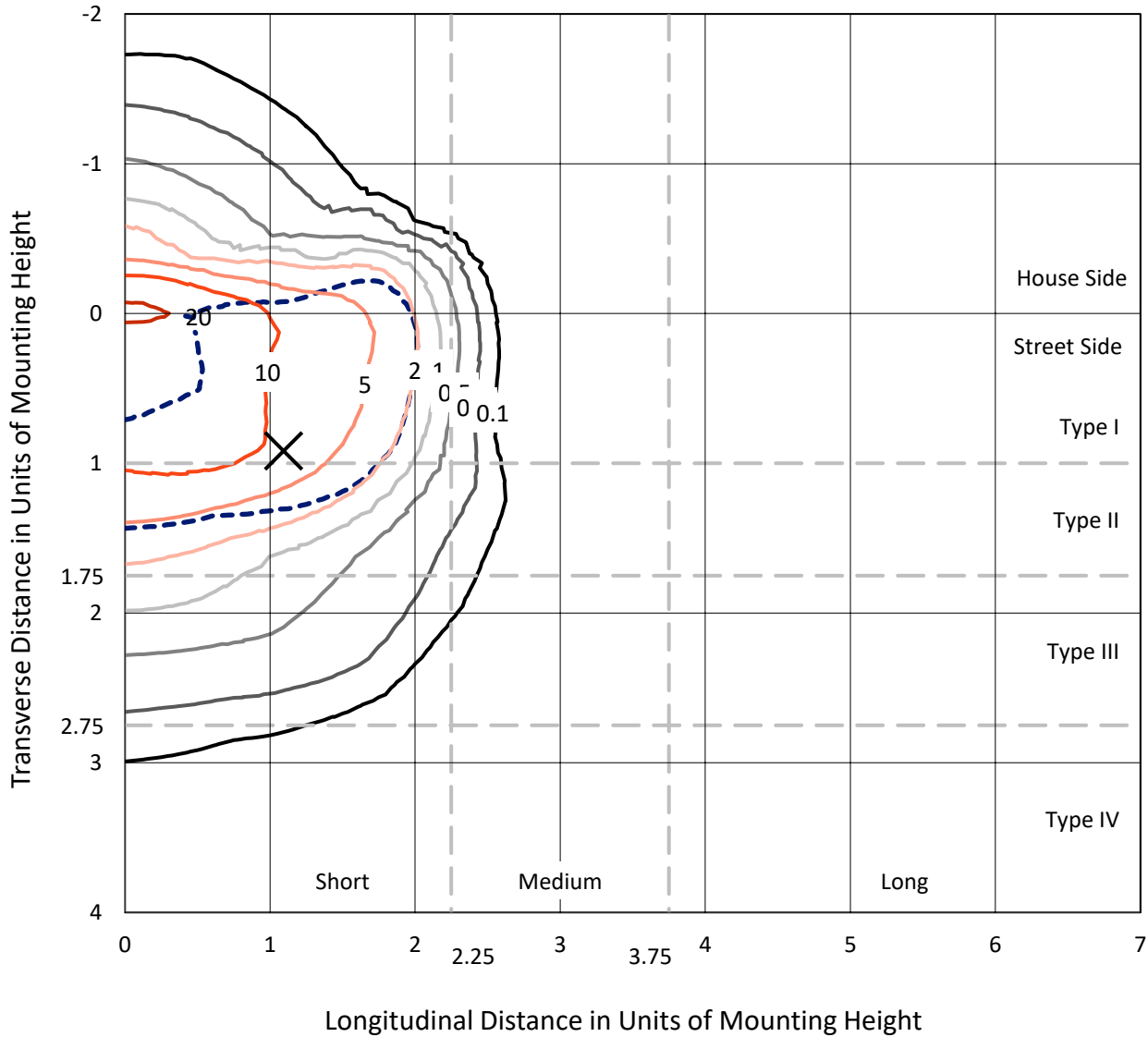
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

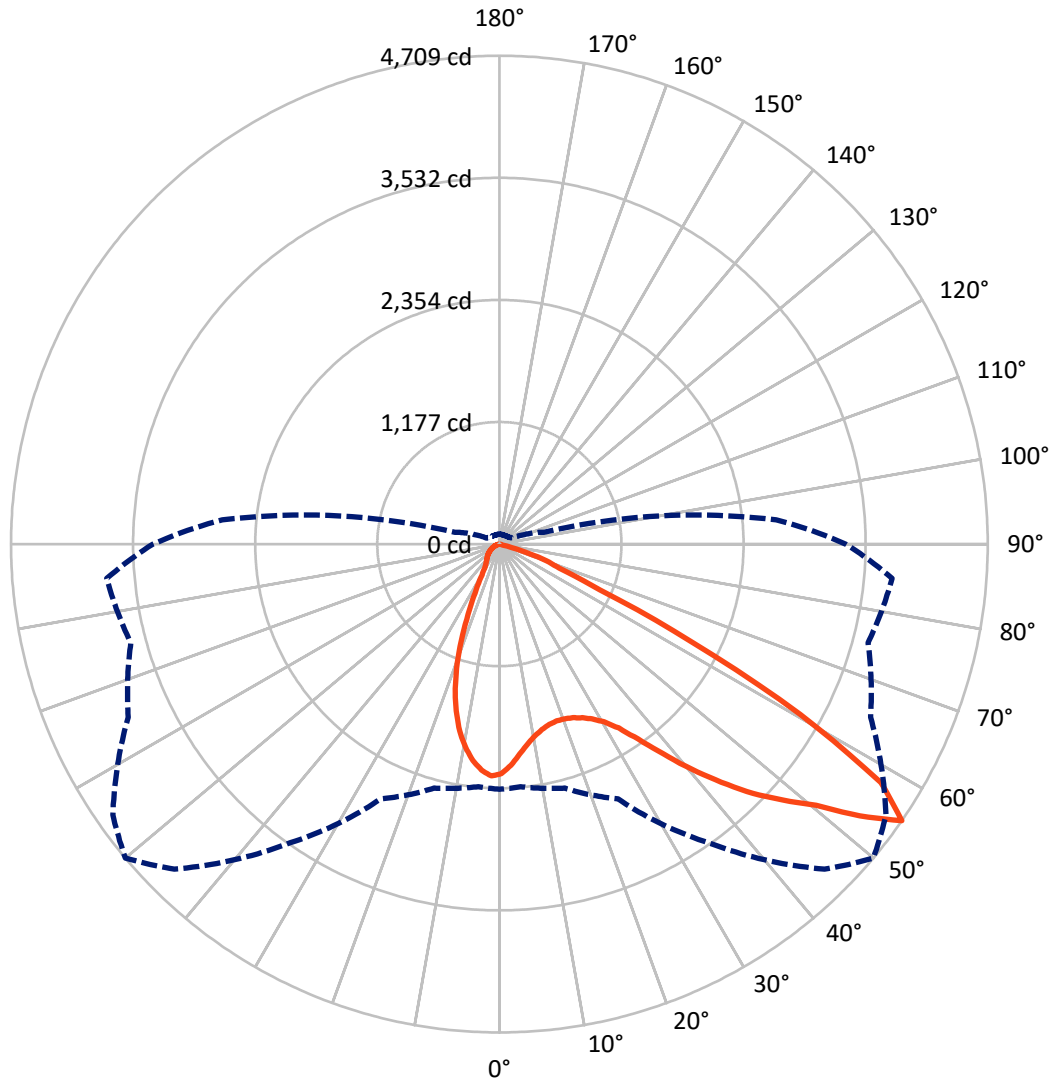
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.1 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	1243.5	0.0	1243.5
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	5067.4	0.0	5067.4
	% Fixture	80.3	0.0	80.3
Total	Lumens	6310.9	0.0	6310.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	3.1
10°-20°	478.5	7.6
20°-30°	675.0	10.7
30°-40°	998.8	15.8
40°-50°	1441.0	22.8
50°-60°	1699.7	26.9
60°-70°	758.2	12.0
70°-80°	65.2	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°	6310.9	100.0
0°-180°	6310.9	100.0

Coefficient of Utilization

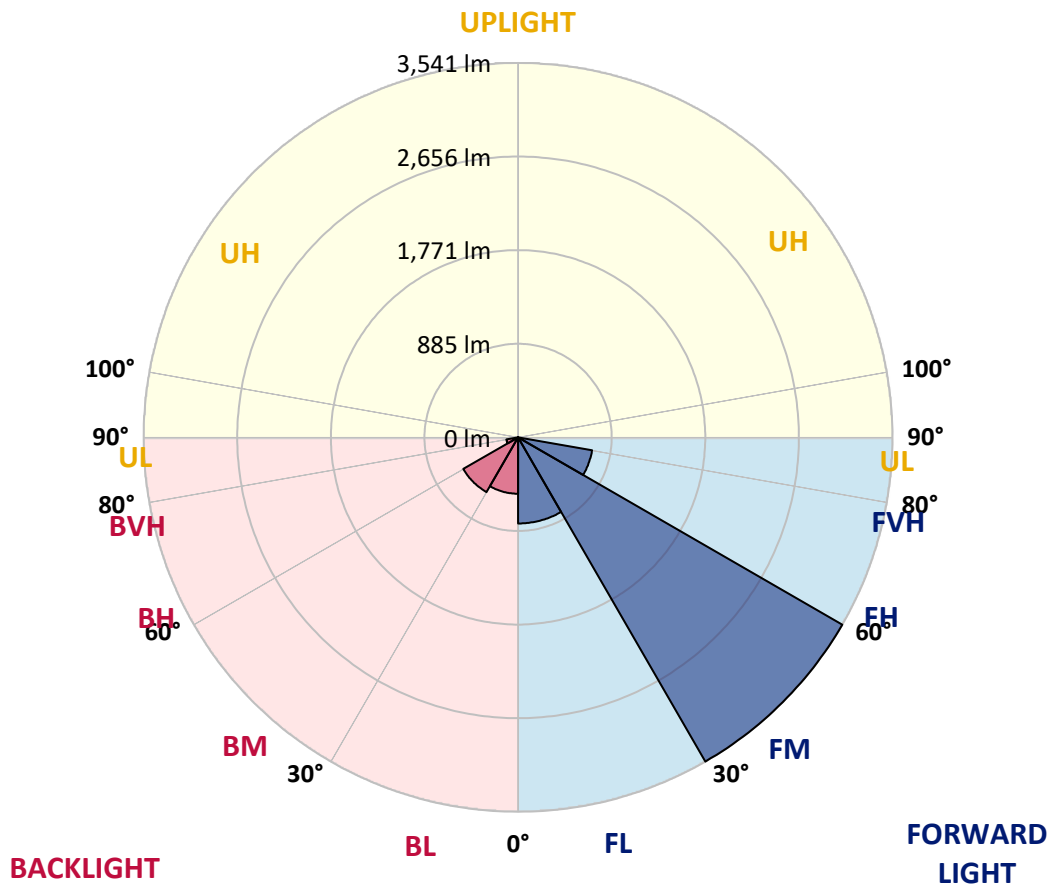


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	814.8	12.9			
FM (30°-60°)	3541.5	56.1			
FH (60°-80°)	711.1	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	533.2	8.4	B2/1000		
BM (30°-60°)	598.1	9.5	B1/1000		
BH (60°-80°)	112.3	1.8	B1/500		G1/500
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: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2
2.5°	2057.0	2058.6	2059.4	2080.2	2087.9	2118.7	2134.9	2143.3	2165.7	2191.9	2213.4
5°	1919.1	1916.8	1920.7	1946.9	1963.8	2009.3	2033.9	2050.9	2100.2	2161.8	2213.4
7.5°	1799.0	1803.6	1808.2	1836.7	1862.1	1911.4	1946.9	1972.3	2040.9	2132.5	2219.6
10°	1714.2	1714.2	1721.1	1753.5	1783.5	1844.4	1879.8	1912.2	1993.9	2106.4	2226.5
12.5°	1651.8	1652.6	1661.0	1698.0	1732.7	1795.9	1832.9	1864.4	1954.6	2080.2	2228.1
15°	1622.5	1620.2	1627.1	1666.4	1705.0	1764.3	1802.8	1833.6	1926.8	2065.5	2235.8
17.5°	1614.8	1613.3	1618.7	1657.2	1696.5	1754.3	1792.0	1822.8	1923.0	2070.1	2258.9
20°	1637.2	1634.1	1631.8	1664.9	1701.9	1758.9	1798.2	1832.9	1941.5	2095.6	2294.3
22.5°	1690.3	1690.3	1684.9	1701.1	1725.8	1777.4	1818.2	1863.7	1990.0	2146.4	2346.7
25°	1788.2	1780.5	1770.4	1777.4	1774.3	1806.7	1855.2	1918.4	2081.7	2230.4	2410.7
27.5°	1899.9	1906.8	1889.9	1890.6	1863.7	1852.1	1908.4	2003.9	2218.1	2349.0	2505.4
30°	2051.7	2046.3	2047.0	2044.7	1982.3	1927.6	1988.5	2115.6	2389.9	2530.1	2628.7
32.5°	2170.3	2178.0	2203.4	2218.1	2136.4	2048.6	2113.3	2267.4	2585.6	2736.6	2779.7
35°	2295.9	2309.7	2361.4	2409.1	2340.6	2239.6	2309.0	2468.5	2769.7	2940.7	2953.1
37.5°	2428.4	2456.1	2517.8	2601.7	2591.0	2501.6	2564.8	2705.0	2914.5	3064.0	3096.4
40°	2580.2	2607.1	2708.1	2829.0	2854.4	2834.4	2855.2	2936.9	3010.1	3069.4	3158.0
42.5°	2746.6	2783.6	2911.5	3073.2	3168.8	3186.5	3138.0	3129.5	3051.7	3007.8	3144.9
45°	2943.0	2986.2	3131.0	3340.6	3492.4	3516.2	3432.3	3323.6	3077.9	2962.3	3105.6
47.5°	3163.4	3204.2	3348.3	3600.2	3826.0	3835.2	3688.8	3513.9	3155.7	3014.7	3135.6
50°	3237.3	3262.8	3387.6	3683.4	4099.5	4170.3	3958.5	3728.1	3312.1	3168.8	3282.0
52.5°	2983.1	2993.1	3101.7	3400.7	4044.0	4499.3	4352.2	4047.8	3590.2	3403.8	3507.8
55°	2363.7	2347.5	2435.3	2709.6	3514.7	4432.3	4708.9	4550.2	3948.5	3679.6	3801.3
57.5°	1653.3	1634.1	1614.0	1799.7	2622.5	3757.4	4339.1	4620.3	4289.8	3953.1	4117.9
60°	1359.0	1340.5	1243.5	1158.0	1585.5	2698.0	3332.9	3862.2	4262.0	3939.2	4107.9
62.5°	1174.1	1163.3	1124.1	1007.7	933.0	1540.1	2087.1	2594.0	3270.5	3093.3	3102.5
65°	922.2	919.1	946.1	958.4	825.1	852.1	1064.7	1348.3	1768.1	1667.2	1580.9
67.5°	630.2	623.3	674.1	829.0	793.5	672.6	623.3	628.7	765.0	467.7	371.3
70°	400.6	384.4	385.2	513.9	645.6	530.8	480.7	423.0	380.6	69.3	78.6
72.5°	256.6	246.5	211.9	231.9	298.9	258.9	261.2	225.0	150.2	37.0	43.1
75°	107.9	99.4	76.3	60.9	60.1	37.8	33.1	30.8	20.8	20.8	22.3
77.5°	0.8	0.0	0.0	0.8	1.5	0.8	0.8	1.5	3.1	4.6	5.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2	2214.2
2.5°	2226.5	2208.1	2228.9	2236.6	2235.8	2236.6	2214.2	2198.8	2198.0	2178.8	2169.5
5°	2235.0	2220.4	2235.8	2225.8	2201.9	2171.8	2131.8	2097.1	2081.7	2059.4	2048.6
7.5°	2251.2	2235.8	2233.5	2193.4	2134.1	2070.9	2000.0	1936.9	1903.0	1862.1	1864.4
10°	2262.8	2245.0	2215.0	2133.3	2034.7	1933.8	1828.2	1734.2	1674.9	1620.2	1611.0
12.5°	2267.4	2241.2	2171.1	2047.8	1909.1	1777.4	1622.5	1488.5	1396.0	1324.4	1314.4
15°	2275.8	2233.5	2114.8	1944.6	1754.3	1567.8	1370.6	1187.2	1064.7	982.3	989.2
17.5°	2288.9	2225.0	2051.7	1829.0	1587.9	1324.4	1057.8	847.5	735.0	687.2	688.0
20°	2307.4	2215.0	1982.3	1701.9	1388.3	1049.3	739.6	580.9	549.3	547.8	545.5
22.5°	2332.1	2205.0	1908.4	1562.4	1151.8	735.0	492.3	443.0	456.1	481.5	486.1
25°	2361.4	2192.6	1825.9	1405.3	893.7	482.3	369.0	361.3	392.9	426.8	434.5
27.5°	2406.8	2186.5	1731.9	1226.5	627.1	345.9	302.0	306.6	335.1	363.6	370.6
30°	2483.9	2198.0	1629.5	1026.2	402.9	275.8	261.9	268.9	284.3	298.9	305.1
32.5°	2588.6	2231.9	1530.1	807.4	287.4	239.6	236.5	240.4	246.5	255.0	257.3
35°	2711.1	2290.5	1427.6	577.8	237.3	218.8	215.7	215.7	218.8	220.3	221.1
37.5°	2812.1	2352.1	1331.3	384.4	212.6	202.6	198.0	195.7	194.9	196.5	197.2
40°	2856.0	2377.5	1226.5	279.7	194.9	188.0	181.1	174.1	174.1	179.5	180.3
42.5°	2825.2	2349.0	1105.6	231.1	182.6	172.6	161.8	155.6	158.7	164.1	165.6
45°	2759.7	2278.9	972.3	204.2	170.3	157.2	144.8	141.0	144.1	151.0	152.5
47.5°	2748.9	2232.7	812.8	186.4	157.2	144.1	131.0	127.1	131.0	136.4	137.9
50°	2856.0	2272.8	635.6	171.0	144.8	130.2	119.4	115.6	117.9	121.0	122.5
52.5°	3051.7	2421.5	513.1	156.4	130.2	116.3	109.4	104.8	104.8	107.9	108.6
55°	3340.6	2681.1	443.0	139.4	113.3	105.5	99.4	94.8	94.8	96.3	97.1
57.5°	3673.4	2995.4	459.2	117.1	99.4	95.5	90.1	86.3	87.8	87.8	87.8
60°	3627.2	2972.3	491.5	98.6	87.8	86.3	81.7	80.1	84.0	80.9	79.4
62.5°	2671.8	2053.2	257.3	80.9	75.5	74.0	70.9	74.0	79.4	70.9	67.8
65°	1297.4	993.9	103.2	66.3	63.9	62.4	60.9	65.5	68.6	55.5	52.4
67.5°	305.1	248.1	67.0	56.2	53.2	50.1	51.6	52.4	50.1	37.8	36.2
70°	79.4	77.8	52.4	47.0	42.4	39.3	39.3	38.5	33.1	23.9	22.3
72.5°	43.1	42.4	37.8	35.4	29.3	26.2	27.0	23.9	18.5	13.9	13.1
75°	21.6	23.1	21.6	20.0	16.2	14.6	14.6	13.1	9.2	5.4	5.4
77.5°	4.6	5.4	5.4	4.6	3.9	3.1	3.1	3.9	1.5	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	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)