

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: P634399

Luminaire Tested: GWS-SA3B-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634399
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-SA3B-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6162 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

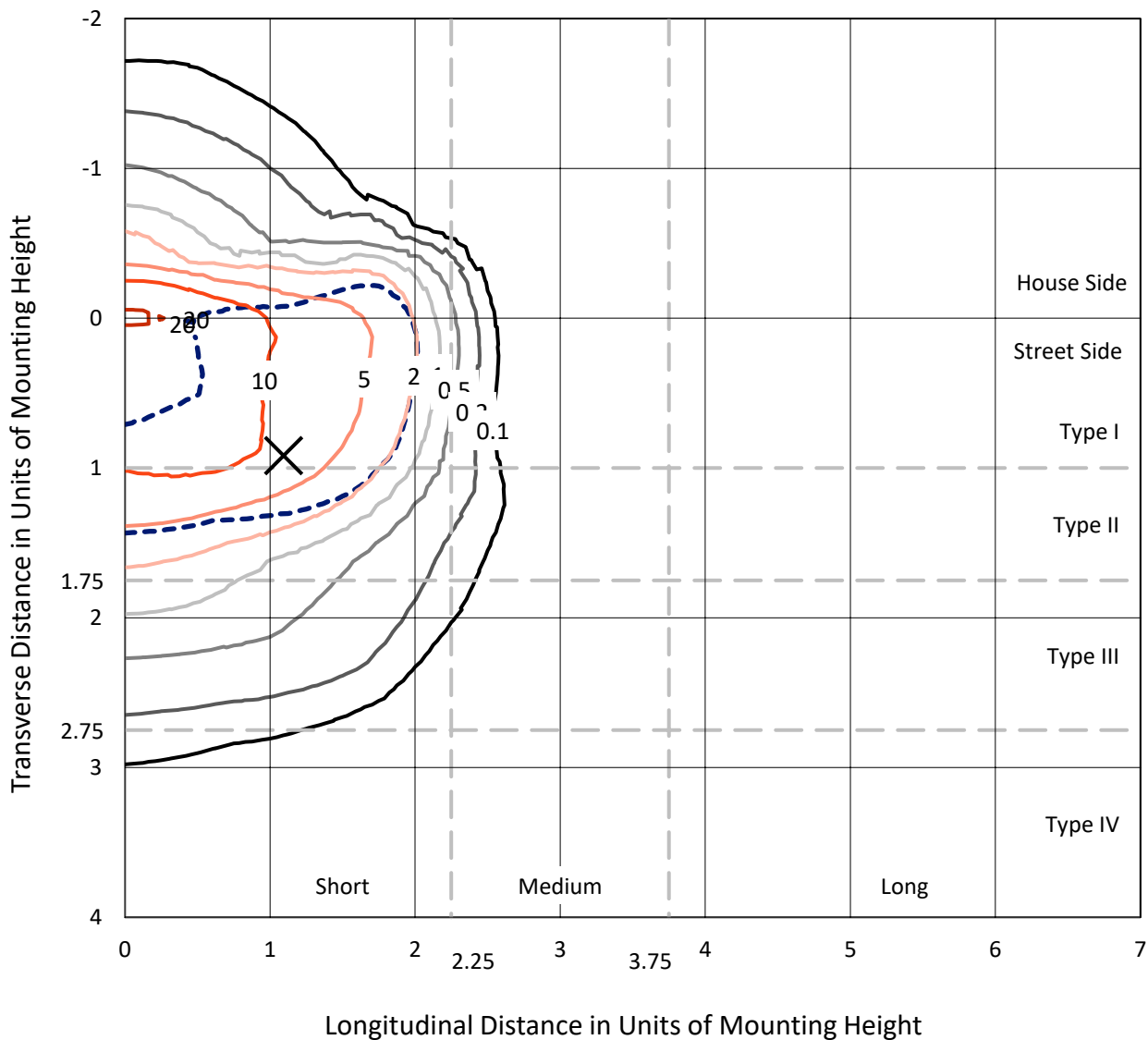
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

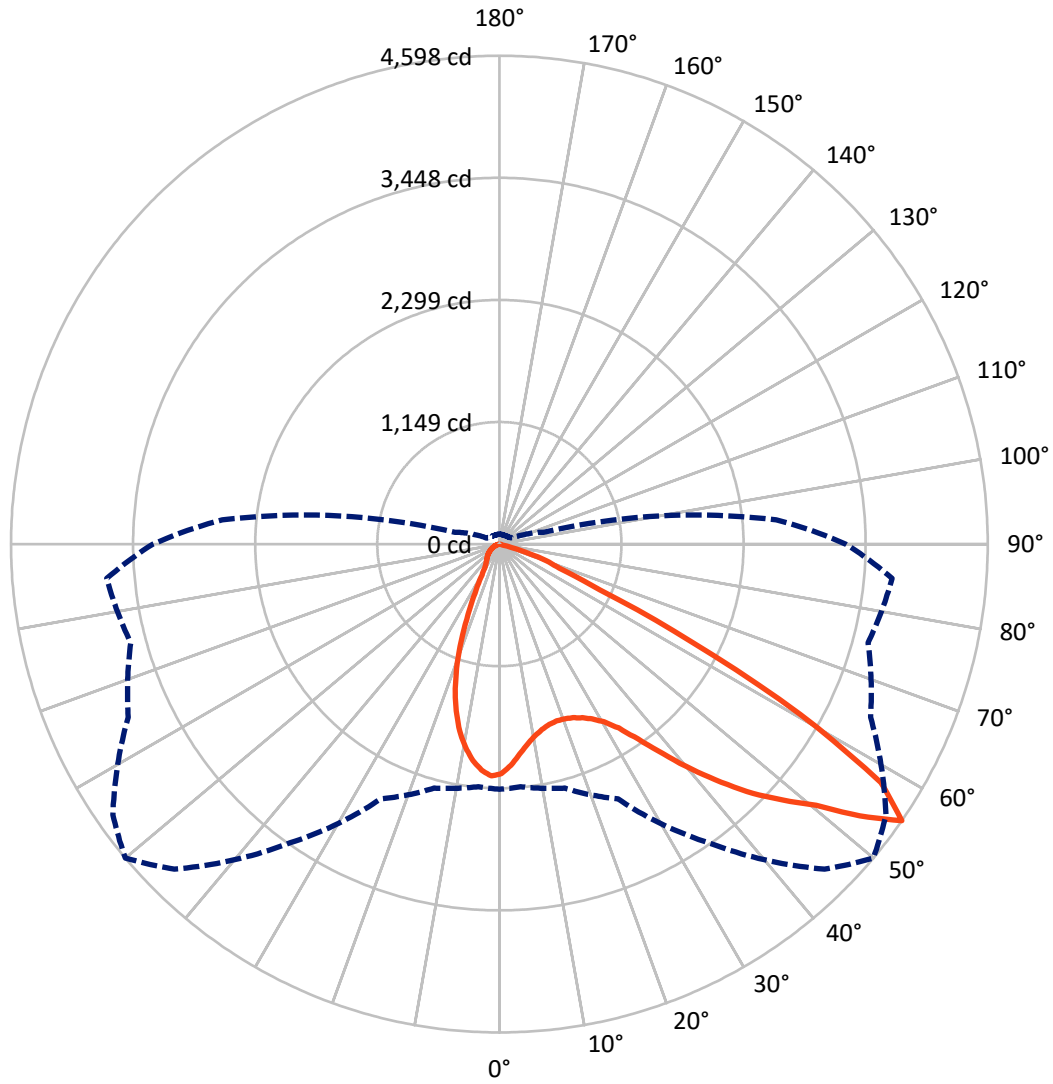
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.6 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	1214.2	0.0	1214.2
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	4947.8	0.0	4947.8
	% Fixture	80.3	0.0	80.3
Total	Lumens	6162.0	0.0	6162.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.9	3.1
10°-20°	467.2	7.6
20°-30°	659.0	10.7
30°-40°	975.3	15.8
40°-50°	1407.0	22.8
50°-60°	1659.6	26.9
60°-70°	740.3	12.0
70°-80°	63.7	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°	6162.0	100.0
0°-180°	6162.0	100.0

Coefficient of Utilization



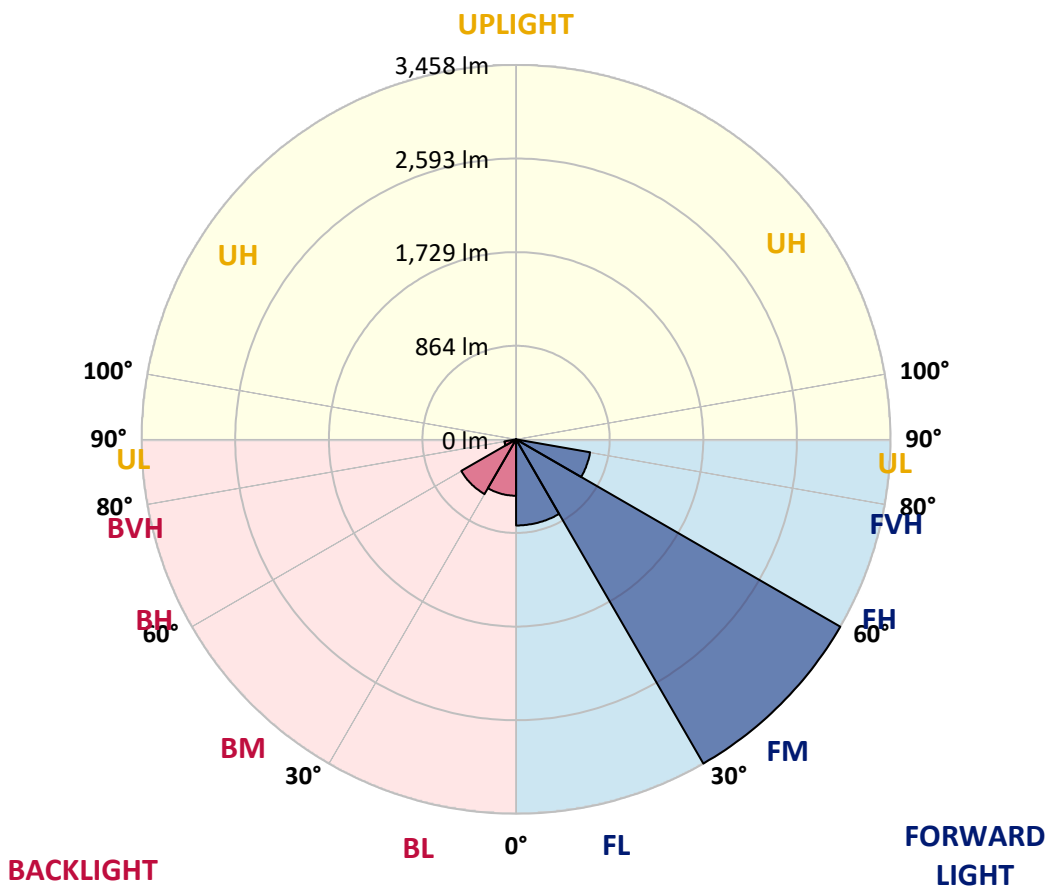
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	795.5	12.9			
FM (30°-60°)	3457.9	56.1			
FH (60°-80°)	694.3	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	520.6	8.4	B2/1000		
BM (30°-60°)	583.9	9.5	B1/1000		
BH (60°-80°)	109.6	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: 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°	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0
2.5°	2008.5	2010.0	2010.8	2031.1	2038.6	2068.7	2084.5	2092.8	2114.6	2140.2	2161.2
5°	1873.9	1871.6	1875.4	1900.9	1917.5	1961.9	1985.9	2002.5	2050.6	2110.8	2161.2
7.5°	1756.5	1761.0	1765.5	1793.4	1818.2	1866.3	1900.9	1925.8	1992.7	2082.2	2167.2
10°	1673.8	1673.8	1680.5	1712.1	1741.5	1800.9	1835.5	1867.1	1946.8	2056.7	2174.0
12.5°	1612.8	1613.6	1621.9	1658.0	1691.8	1753.5	1789.6	1820.4	1908.5	2031.1	2175.5
15°	1584.2	1582.0	1588.8	1627.1	1664.7	1722.7	1760.3	1790.4	1881.4	2016.8	2183.0
17.5°	1576.7	1575.2	1580.5	1618.1	1656.5	1712.9	1749.7	1779.8	1877.6	2021.3	2205.6
20°	1598.5	1595.5	1593.3	1625.6	1661.7	1717.4	1755.8	1789.6	1895.7	2046.1	2240.2
22.5°	1650.4	1650.4	1645.2	1661.0	1685.0	1735.4	1775.3	1819.7	1943.1	2095.8	2291.4
25°	1746.0	1738.5	1728.7	1735.4	1732.4	1764.0	1811.4	1873.1	2032.6	2177.8	2353.8
27.5°	1855.1	1861.8	1845.3	1846.0	1819.7	1808.4	1863.3	1956.6	2165.7	2293.6	2446.3
30°	2003.2	1998.0	1998.7	1996.5	1935.5	1882.1	1941.6	2065.7	2333.5	2470.4	2566.7
32.5°	2119.1	2126.6	2151.4	2165.7	2086.0	2000.2	2063.4	2213.9	2524.6	2672.0	2714.1
35°	2241.7	2255.3	2305.7	2352.3	2285.3	2186.8	2254.5	2410.2	2704.3	2871.3	2883.4
37.5°	2371.1	2398.2	2458.4	2540.4	2529.8	2442.6	2504.2	2641.2	2845.8	2991.7	3023.3
40°	2519.3	2545.6	2644.2	2762.3	2787.1	2767.5	2787.8	2867.6	2939.0	2997.0	3083.5
42.5°	2681.8	2717.9	2842.8	3000.7	3094.0	3111.3	3063.9	3055.6	2979.7	2936.8	3070.7
45°	2873.6	2915.7	3057.2	3261.8	3410.0	3433.3	3351.3	3245.2	3005.2	2892.4	3032.3
47.5°	3088.7	3128.6	3269.3	3515.3	3735.7	3744.7	3601.8	3431.0	3081.2	2943.6	3061.7
50°	3161.0	3185.8	3307.7	3596.5	4002.7	4071.9	3865.1	3640.1	3233.9	3094.0	3204.6
52.5°	2912.7	2922.5	3028.6	3320.4	3948.6	4393.2	4249.5	3952.3	3505.5	3323.4	3425.0
55°	2307.9	2292.1	2377.9	2645.7	3431.8	4327.7	4597.8	4442.8	3855.3	3592.8	3711.6
57.5°	1614.3	1595.5	1576.0	1757.3	2560.7	3668.7	4236.7	4511.3	4188.5	3859.8	4020.8
60°	1327.0	1308.9	1214.1	1130.6	1548.1	2634.4	3254.2	3771.0	4161.5	3846.3	4011.0
62.5°	1146.4	1135.9	1097.5	983.9	911.0	1503.8	2037.9	2532.8	3193.3	3020.3	3029.3
65°	900.4	897.4	923.8	935.8	805.7	832.0	1039.6	1316.4	1726.4	1627.9	1543.6
67.5°	615.3	608.6	658.2	809.4	774.8	656.7	608.6	613.8	747.0	456.6	362.6
70°	391.2	375.4	376.1	501.8	630.4	518.3	469.4	413.0	371.6	67.7	76.7
72.5°	250.5	240.7	206.9	226.4	291.9	252.8	255.0	219.7	146.7	36.1	42.1
75°	105.3	97.0	74.5	59.4	58.7	36.9	32.3	30.1	20.3	20.3	21.8
77.5°	0.8	0.0	0.0	0.8	1.5	0.8	0.8	1.5	3.0	4.5	5.3
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°	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0	2162.0
2.5°	2174.0	2156.0	2176.3	2183.8	2183.0	2183.8	2162.0	2146.9	2146.2	2127.4	2118.3
5°	2182.3	2168.0	2183.0	2173.3	2149.9	2120.6	2081.5	2047.6	2032.6	2010.8	2000.2
7.5°	2198.1	2183.0	2180.8	2141.7	2083.7	2022.1	1952.8	1891.2	1858.1	1818.2	1820.4
10°	2209.4	2192.1	2162.7	2083.0	1986.7	1888.2	1785.1	1693.3	1635.4	1582.0	1573.0
12.5°	2213.9	2188.3	2119.8	1999.5	1864.1	1735.4	1584.2	1453.4	1363.1	1293.1	1283.3
15°	2222.2	2180.8	2064.9	1898.7	1712.9	1530.8	1338.3	1159.2	1039.6	959.1	965.9
17.5°	2234.9	2172.5	2003.2	1785.8	1550.4	1293.1	1032.8	827.5	717.6	671.0	671.8
20°	2253.0	2162.7	1935.5	1661.7	1355.6	1024.6	722.2	567.2	536.4	534.9	532.6
22.5°	2277.1	2152.9	1863.3	1525.6	1124.6	717.6	480.7	432.5	445.3	470.2	474.7
25°	2305.7	2140.9	1782.8	1372.1	872.6	470.9	360.3	352.8	383.6	416.7	424.3
27.5°	2350.0	2134.9	1691.1	1197.6	612.3	337.8	294.9	299.4	327.2	355.1	361.8
30°	2425.3	2146.2	1591.0	1002.0	393.4	269.3	255.8	262.5	277.6	291.9	297.9
32.5°	2527.6	2179.3	1494.0	788.4	280.6	234.0	230.9	234.7	240.7	249.0	251.3
35°	2647.2	2236.4	1393.9	564.2	231.7	213.6	210.6	210.6	213.6	215.1	215.9
37.5°	2745.7	2296.6	1299.9	375.4	207.6	197.8	193.3	191.1	190.3	191.8	192.6
40°	2788.6	2321.4	1197.6	273.1	190.3	183.5	176.8	170.0	170.0	175.3	176.0
42.5°	2758.5	2293.6	1079.5	225.7	178.3	168.5	158.0	152.0	155.0	160.2	161.7
45°	2694.6	2225.2	949.3	199.3	166.2	153.5	141.4	137.7	140.7	147.4	148.9
47.5°	2684.0	2180.0	793.6	182.0	153.5	140.7	127.9	124.1	127.9	133.1	134.7
50°	2788.6	2219.1	620.6	167.0	141.4	127.1	116.6	112.8	115.1	118.1	119.6
52.5°	2979.7	2364.3	501.0	152.7	127.1	113.6	106.8	102.3	102.3	105.3	106.1
55°	3261.8	2617.8	432.5	136.2	110.6	103.1	97.0	92.5	92.5	94.0	94.8
57.5°	3586.7	2924.8	448.3	114.3	97.0	93.3	88.0	84.3	85.8	85.8	85.8
60°	3541.6	2902.2	479.9	96.3	85.8	84.3	79.7	78.2	82.0	79.0	77.5
62.5°	2608.8	2004.8	251.3	79.0	73.7	72.2	69.2	72.2	77.5	69.2	66.2
65°	1266.8	970.4	100.8	64.7	62.4	60.9	59.4	63.9	67.0	54.2	51.2
67.5°	297.9	242.2	65.4	54.9	51.9	48.9	50.4	51.2	48.9	36.9	35.4
70°	77.5	76.0	51.2	45.9	41.4	38.4	38.4	37.6	32.3	23.3	21.8
72.5°	42.1	41.4	36.9	34.6	28.6	25.6	26.3	23.3	18.1	13.5	12.8
75°	21.1	22.6	21.1	19.6	15.8	14.3	14.3	12.8	9.0	5.3	5.3
77.5°	4.5	5.3	5.3	4.5	3.8	3.0	3.0	3.8	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)