

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: P634242

Luminaire Tested: GWS-SA3B-735-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8083.1 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

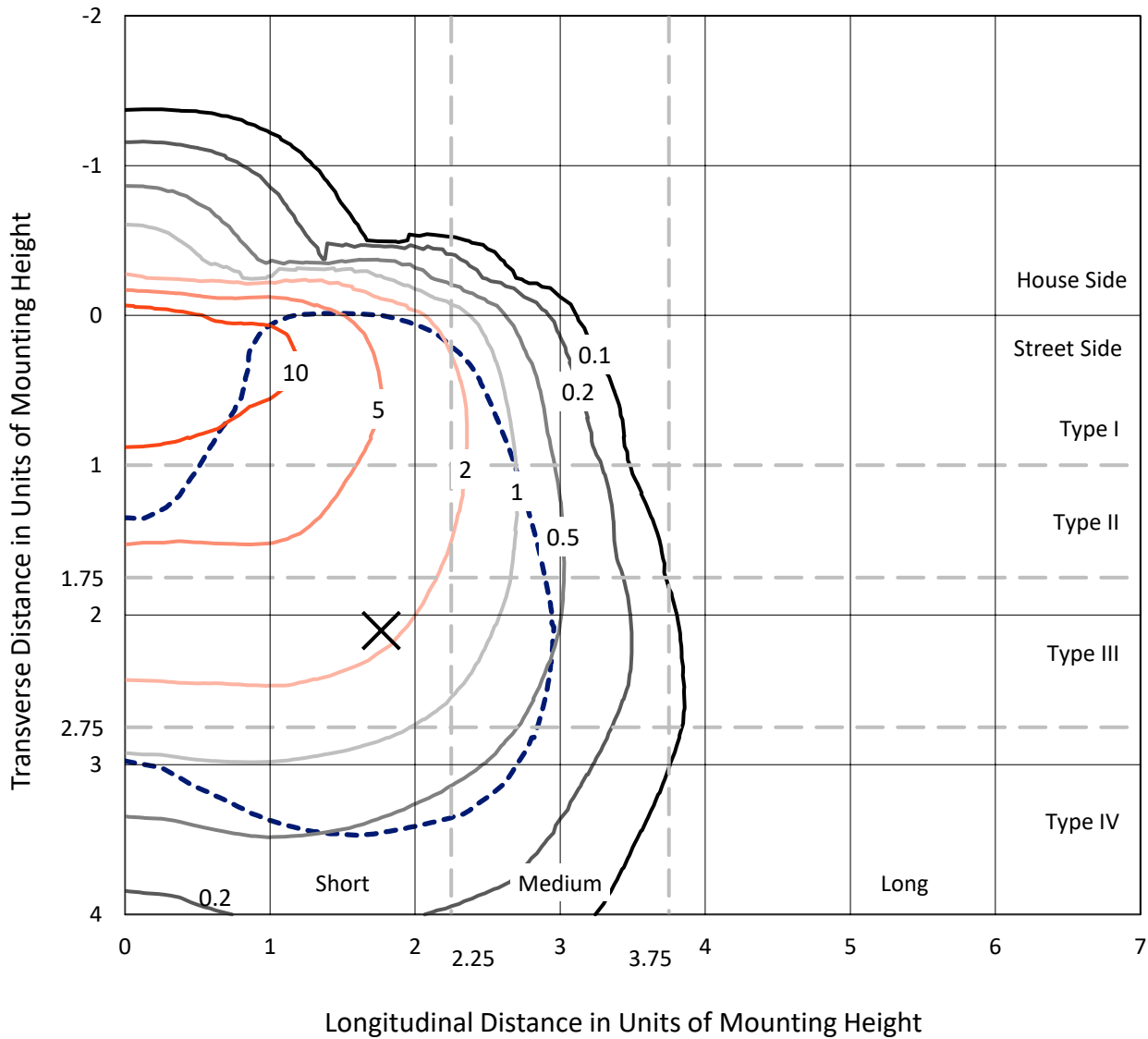
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

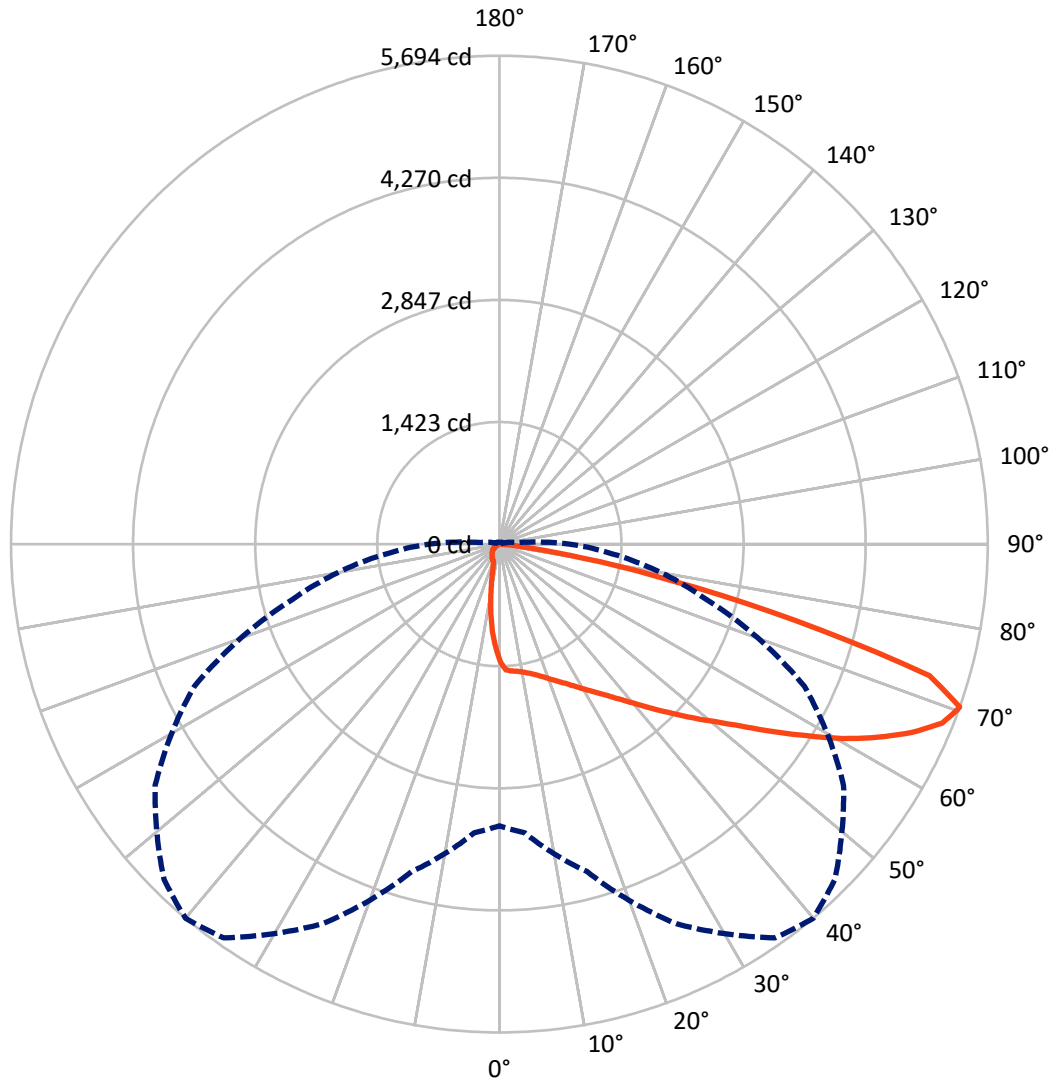
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	661.0	0.0	661.0
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	7422.1	0.0	7422.1
	% Fixture	91.8	0.0	91.8
Total	Lumens	8083.1	0.0	8083.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	1.4
10°-20°	294.0	3.6
20°-30°	492.1	6.1
30°-40°	772.9	9.6
40°-50°	1222.5	15.1
50°-60°	1783.4	22.1
60°-70°	2210.7	27.4
70°-80°	1118.5	13.8
80°-90°	73.0	0.9
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°	8083.1	100.0
0°-180°	8083.1	100.0

Coefficient of Utilization



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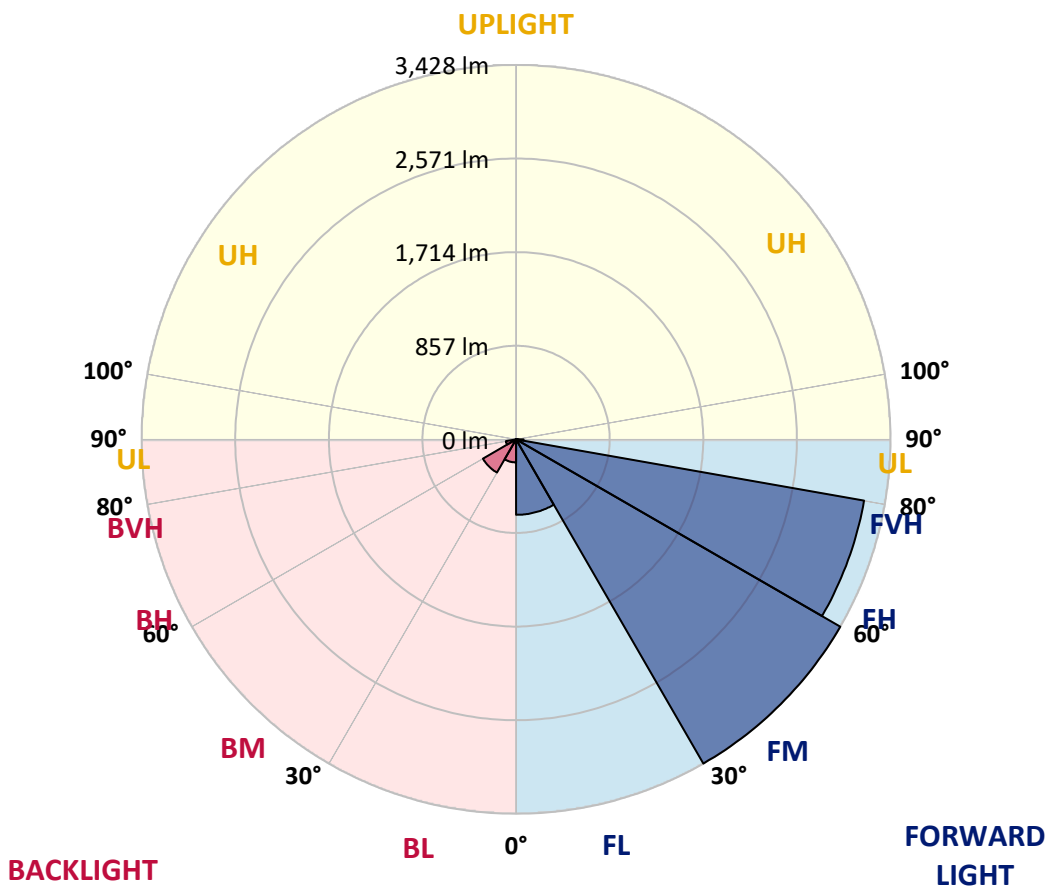
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	691.0	8.5			
FM (30°-60°)	3427.9	42.4			
FH (60°-80°)	3235.0	40.0			G2/5000
FVH (80°-90°)	68.2	0.8			G1/100
BL (0°-30°)	211.1	2.6	B1/500		
BM (30°-60°)	350.8	4.3	B1/1000		
BH (60°-80°)	94.2	1.2	B0/110		G0/110
BVH (80°-90°)	4.8	0.1			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6
2.5°	1474.6	1479.7	1479.0	1481.2	1476.0	1467.9	1466.5	1455.4	1435.6	1410.6	1382.6
5°	1504.7	1510.6	1506.2	1504.0	1494.4	1485.6	1483.4	1471.6	1448.8	1415.0	1366.5
7.5°	1530.5	1531.9	1529.0	1523.8	1509.9	1498.1	1490.0	1473.8	1446.6	1412.8	1356.9
10°	1534.9	1534.1	1535.6	1536.3	1527.5	1517.2	1510.6	1488.5	1454.0	1417.9	1357.6
12.5°	1529.7	1529.7	1539.3	1550.3	1550.3	1545.2	1538.6	1518.7	1478.2	1435.6	1372.3
15°	1536.3	1538.6	1556.9	1577.5	1584.1	1579.0	1576.1	1555.5	1513.5	1466.5	1398.8
17.5°	1559.9	1562.1	1591.5	1622.4	1630.5	1624.6	1618.7	1598.1	1553.3	1501.8	1429.0
20°	1594.4	1600.3	1637.8	1677.6	1684.9	1677.6	1665.8	1637.1	1592.2	1540.0	1457.7
22.5°	1657.7	1661.4	1701.8	1743.7	1747.4	1735.7	1718.0	1678.3	1631.2	1580.5	1490.0
25°	1741.5	1746.7	1787.1	1827.6	1818.0	1800.4	1776.1	1731.2	1677.6	1628.3	1531.2
27.5°	1841.6	1847.4	1887.2	1922.5	1897.4	1876.9	1849.6	1793.8	1739.3	1694.5	1584.1
30°	1949.7	1954.8	1990.1	2021.7	1988.6	1964.4	1932.0	1874.6	1819.5	1785.7	1659.2
32.5°	2054.1	2053.4	2087.2	2112.9	2079.1	2060.0	2030.6	1972.5	1928.3	1913.6	1771.0
35°	2151.2	2151.2	2179.1	2204.9	2180.6	2170.3	2143.1	2096.8	2071.7	2089.4	1920.2
37.5°	2249.0	2243.8	2270.3	2299.0	2296.8	2297.5	2282.1	2260.0	2261.5	2324.0	2125.4
40°	2329.9	2327.7	2358.6	2396.1	2425.5	2449.0	2439.5	2447.6	2493.9	2610.8	2388.0
42.5°	2394.6	2399.8	2439.5	2499.0	2573.3	2621.1	2627.7	2660.8	2780.0	2960.9	2684.4
45°	2468.9	2469.6	2524.8	2616.0	2734.4	2810.1	2836.6	2921.9	3091.1	3324.2	3009.4
47.5°	2560.1	2551.3	2613.0	2741.0	2912.4	3024.2	3071.2	3177.9	3439.7	3678.7	3274.2
50°	2660.8	2644.7	2714.5	2888.8	3111.7	3251.4	3347.0	3502.9	3785.3	3969.9	3471.3
52.5°	2777.8	2762.3	2841.8	3058.7	3350.7	3520.6	3643.4	3800.8	4081.7	4192.0	3589.0
55°	2926.3	2910.9	2994.7	3262.4	3633.1	3853.7	3982.4	4114.8	4357.5	4356.0	3674.3
57.5°	3091.1	3069.7	3185.9	3519.8	3985.4	4214.8	4345.7	4410.5	4567.1	4483.3	3731.6
60°	3280.1	3261.0	3422.0	3826.5	4392.1	4604.6	4687.0	4660.5	4739.2	4558.3	3711.8
62.5°	3450.7	3441.9	3641.9	4151.6	4779.7	4959.1	4981.9	4866.4	4865.7	4559.8	3577.9
65°	3628.0	3644.9	3942.0	4525.9	5169.4	5290.1	5251.1	5070.9	4916.5	4379.6	3182.3
67.5°	3694.1	3743.4	4139.8	4864.2	5476.9	5571.0	5502.6	5173.1	4705.4	3773.6	2423.3
70°	3285.2	3377.9	3953.0	4883.4	5604.1	5693.8	5529.8	4898.1	3922.9	2499.8	1327.5
72.5°	2498.3	2606.4	3294.1	3998.6	5040.0	5244.5	4964.3	3990.5	2528.5	1095.1	445.7
75°	1398.1	1515.0	2453.4	3010.9	3383.8	3570.6	3467.6	2560.1	1120.1	286.1	133.1
77.5°	472.9	511.9	1141.4	1862.9	2233.5	2065.9	1748.9	1271.6	411.8	108.8	70.6
80°	280.2	294.9	425.1	927.4	1175.2	974.5	769.3	469.9	209.6	58.1	49.3
82.5°	83.8	99.3	234.6	344.2	460.4	286.8	242.7	268.4	108.8	31.6	41.2
85°	0.0	0.0	50.0	106.6	120.6	47.1	47.1	152.2	19.9	13.2	30.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.7	2.2	2.9	6.6
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°	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6
2.5°	1362.8	1337.0	1306.9	1278.2	1251.0	1215.7	1198.8	1178.2	1160.5	1151.0	1156.1
5°	1335.6	1295.1	1233.3	1170.8	1107.6	1048.0	994.3	958.3	925.9	909.0	912.7
7.5°	1312.0	1257.6	1161.3	1059.0	957.5	855.3	772.2	707.5	657.5	636.9	633.2
10°	1301.7	1233.3	1097.3	950.2	794.3	656.8	539.1	467.7	417.0	392.0	396.4
12.5°	1306.9	1220.8	1042.9	843.6	641.3	481.0	368.5	301.5	265.5	250.8	247.1
15°	1321.6	1217.9	994.3	734.7	495.0	336.1	254.5	227.3	219.9	218.4	218.4
17.5°	1338.5	1218.6	944.3	624.4	375.8	249.3	217.7	212.5	210.3	208.9	209.6
20°	1355.4	1218.6	886.9	512.6	282.4	215.5	207.4	203.7	201.5	200.8	200.8
22.5°	1376.0	1218.6	823.0	408.9	226.5	204.5	197.8	195.6	193.4	192.7	192.0
25°	1401.0	1219.4	752.4	319.9	205.9	194.9	189.7	187.5	185.3	183.9	183.9
27.5°	1437.1	1225.3	674.4	249.3	194.2	186.1	181.7	179.4	177.2	175.0	175.0
30°	1489.3	1240.0	586.9	205.9	183.1	176.5	172.1	170.6	168.4	166.2	165.5
32.5°	1567.2	1265.7	496.4	184.6	172.8	166.2	161.1	159.6	157.4	155.2	154.4
35°	1676.1	1312.8	408.2	171.4	159.6	153.0	150.0	149.3	146.4	144.1	144.1
37.5°	1835.7	1389.3	323.6	158.1	148.6	143.4	139.7	138.3	135.3	133.1	132.4
40°	2030.6	1488.5	251.5	147.8	138.3	133.1	129.4	127.2	123.6	120.6	119.1
42.5°	2279.1	1609.9	198.6	136.8	128.7	123.6	120.6	116.2	111.1	106.6	105.9
45°	2538.0	1734.9	164.0	126.5	119.9	115.5	111.8	105.9	98.5	93.4	91.9
47.5°	2736.6	1812.9	143.4	115.5	110.3	106.6	102.2	94.9	86.0	80.2	78.7
50°	2878.5	1824.6	128.0	105.2	102.2	98.5	91.9	83.1	73.5	67.7	66.2
52.5°	2948.4	1771.7	115.5	95.6	93.4	89.7	81.6	72.1	61.8	55.9	54.4
55°	2980.0	1671.7	103.7	87.5	84.6	80.2	71.3	61.0	50.7	45.6	44.1
57.5°	2967.5	1523.8	93.4	79.4	75.8	70.6	61.0	50.0	41.9	36.8	36.0
60°	2874.9	1316.4	83.1	71.3	66.9	61.0	51.5	41.2	33.8	30.2	29.4
62.5°	2674.8	1059.0	72.8	61.8	58.8	53.0	44.1	33.8	27.9	25.7	25.0
65°	2265.2	748.7	62.5	52.2	50.7	44.9	36.8	27.9	24.3	22.8	22.1
67.5°	1628.3	455.2	53.0	44.9	43.4	38.2	30.9	24.3	22.1	21.3	21.3
70°	818.6	215.5	41.9	36.8	36.8	31.6	26.5	22.1	21.3	20.6	20.6
72.5°	278.0	91.9	31.6	28.7	30.2	27.2	22.8	20.6	20.6	20.6	20.6
75°	94.9	48.5	22.1	20.6	22.1	22.1	19.9	19.9	20.6	20.6	20.6
77.5°	61.8	32.4	15.4	14.0	16.9	16.9	16.9	18.4	19.9	19.9	19.9
80°	50.7	17.7	10.3	9.6	12.5	12.5	14.0	16.9	18.4	18.4	18.4
82.5°	43.4	11.0	5.9	6.6	8.8	9.6	11.8	14.0	16.2	16.9	16.9
85°	29.4	5.9	4.4	5.1	5.9	7.4	9.6	11.8	13.2	14.7	14.7
87.5°	8.1	2.2	2.9	3.7	3.7	5.1	7.4	8.8	10.3	11.0	11.0
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)