

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: P634572

Luminaire Tested: GWS-SA3C-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634572
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-SA3C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8095.9 lumens
Efficiency: N/A
Efficacy: 87.1 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

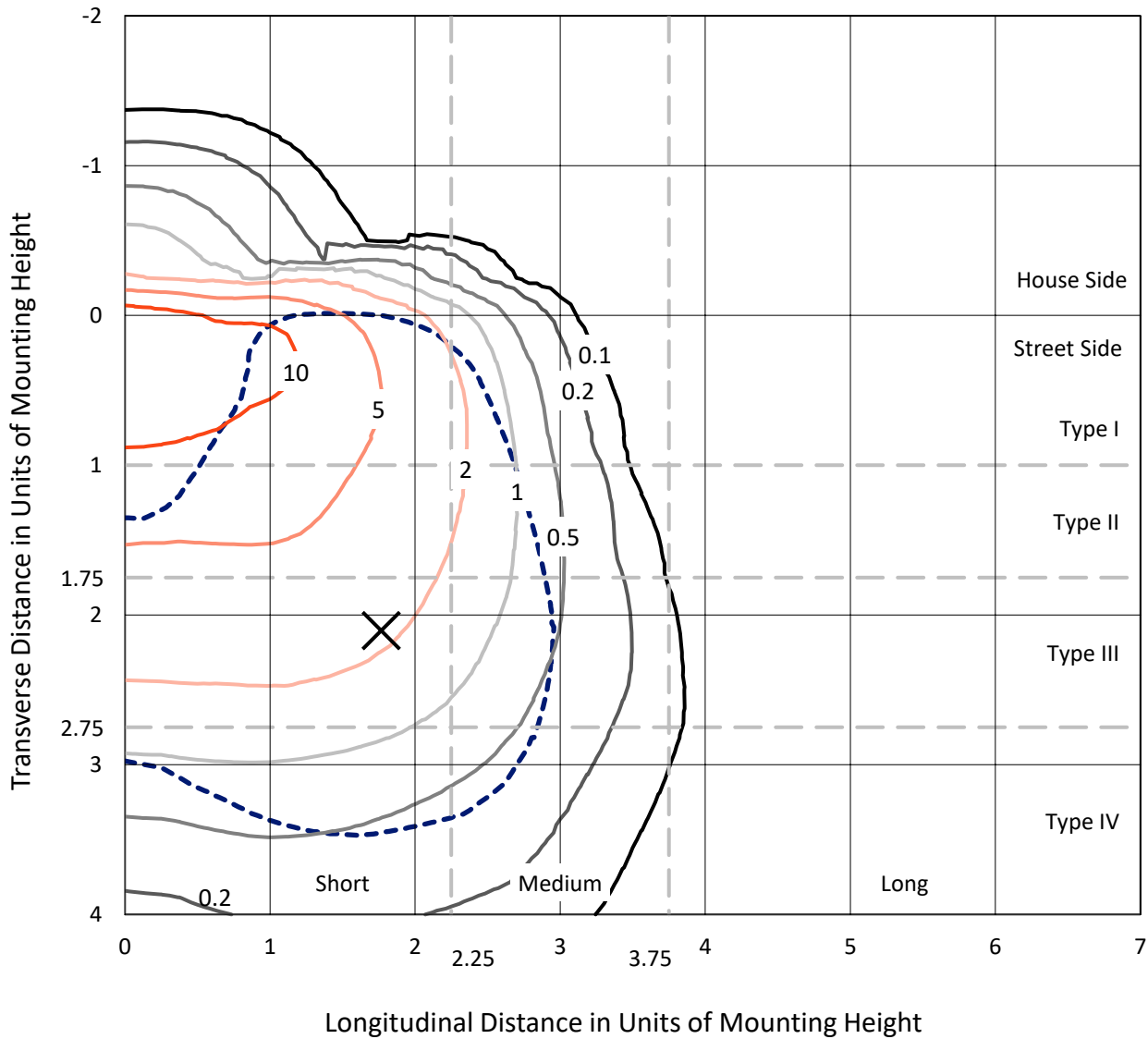
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

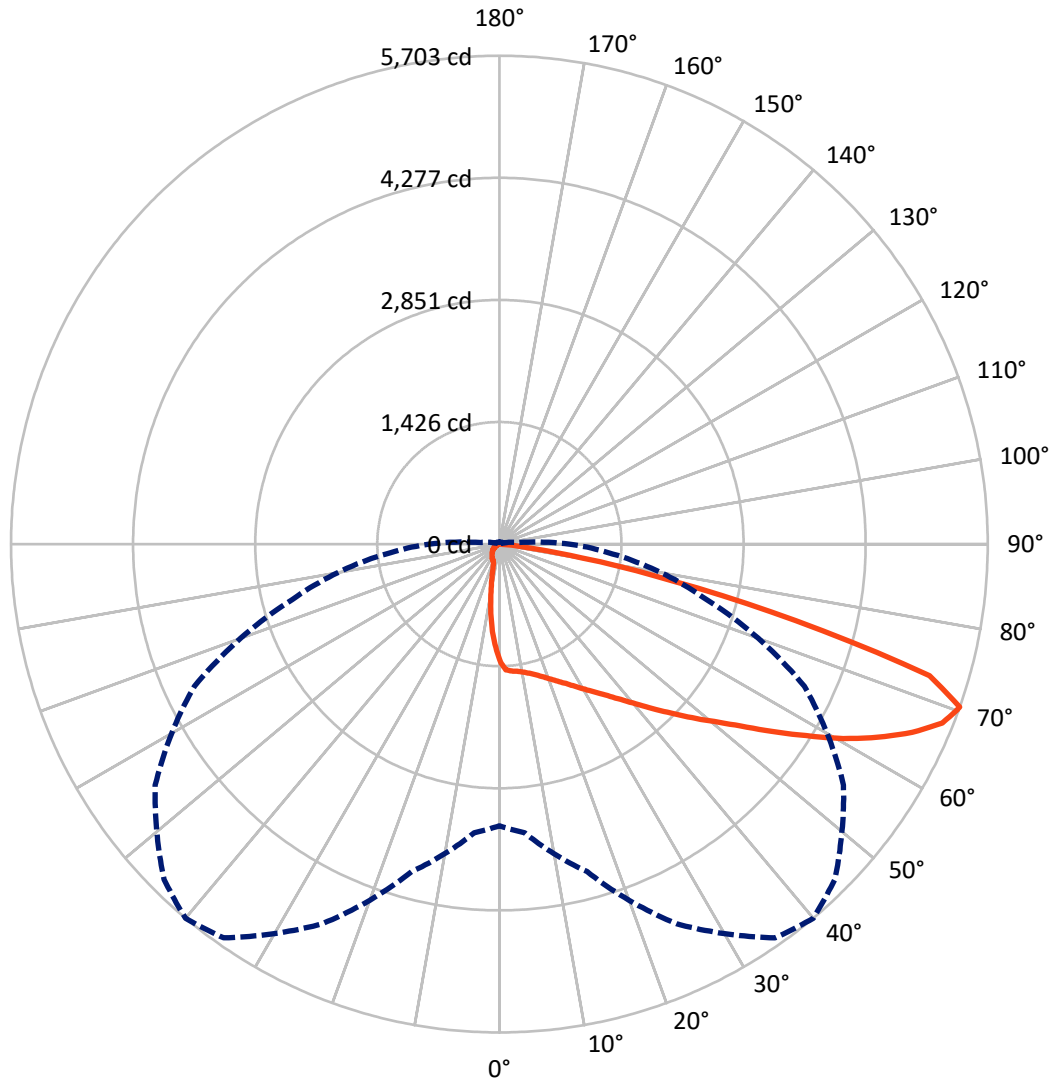
✕ Max cd
 - - - 1/2 Max cd



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	662.0	0.0	662.0
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	7433.9	0.0	7433.9
	% Fixture	91.8	0.0	91.8
Total	Lumens	8095.9	0.0	8095.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	1.4
10°-20°	294.5	3.6
20°-30°	492.9	6.1
30°-40°	774.1	9.6
40°-50°	1224.5	15.1
50°-60°	1786.2	22.1
60°-70°	2214.2	27.4
70°-80°	1120.3	13.8
80°-90°	73.1	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°	8095.9	100.0
0°-180°	8095.9	100.0

Coefficient of Utilization



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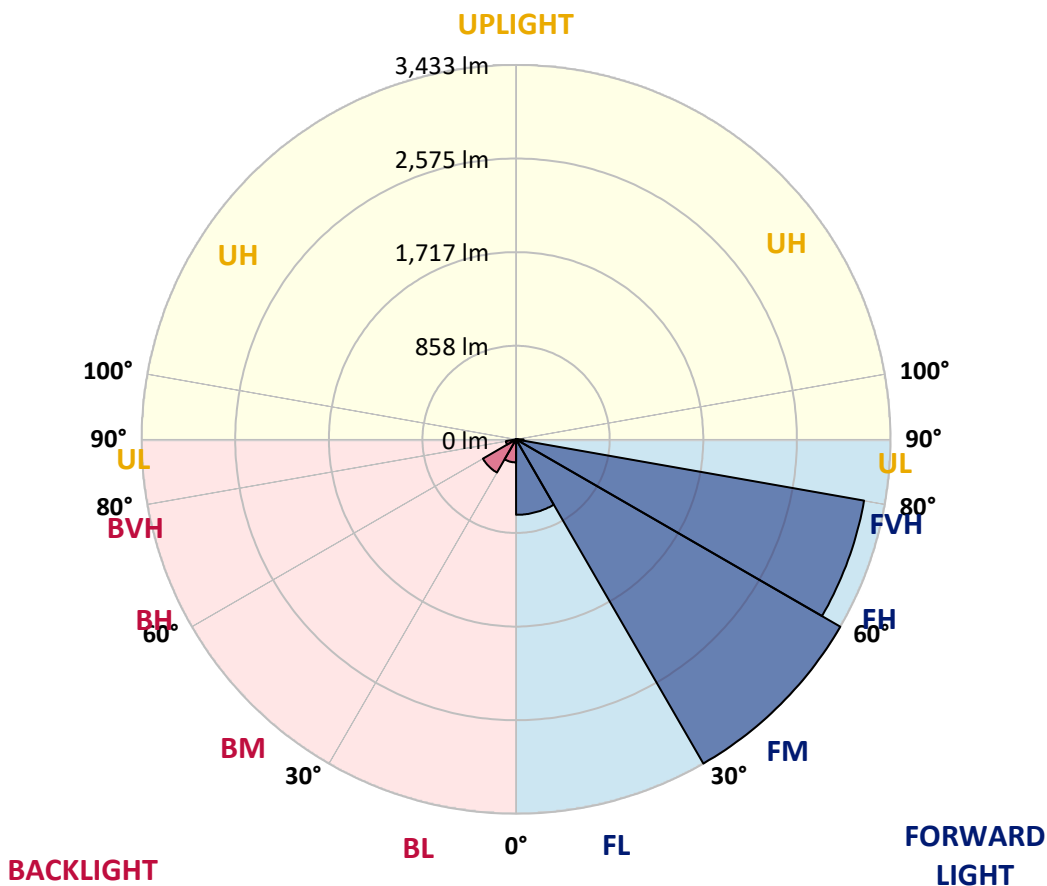
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	692.1	8.5			
FM (30°-60°)	3433.4	42.4			
FH (60°-80°)	3240.1	40.0			G2/5000
FVH (80°-90°)	68.3	0.8			G1/100
BL (0°-30°)	211.4	2.6	B1/500		
BM (30°-60°)	351.4	4.3	B1/1000		
BH (60°-80°)	94.4	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°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8
2.5°	1476.9	1482.1	1481.3	1483.5	1478.4	1470.3	1468.8	1457.8	1437.9	1412.8	1384.8
5°	1507.1	1513.0	1508.6	1506.4	1496.8	1488.0	1485.7	1474.0	1451.1	1417.2	1368.6
7.5°	1532.9	1534.4	1531.4	1526.3	1512.3	1500.5	1492.4	1476.2	1448.9	1415.0	1359.0
10°	1537.3	1536.6	1538.0	1538.8	1529.9	1519.6	1513.0	1490.9	1456.3	1420.2	1359.8
12.5°	1532.1	1532.1	1541.7	1552.8	1552.8	1547.6	1541.0	1521.1	1480.6	1437.9	1374.5
15°	1538.8	1541.0	1559.4	1580.0	1586.7	1581.5	1578.6	1557.9	1515.9	1468.8	1401.0
17.5°	1562.3	1564.6	1594.0	1625.0	1633.1	1627.2	1621.3	1600.7	1555.7	1504.2	1431.2
20°	1597.0	1602.9	1640.4	1680.2	1687.6	1680.2	1668.4	1639.7	1594.8	1542.5	1460.0
22.5°	1660.3	1664.0	1704.5	1746.5	1750.2	1738.4	1720.7	1680.9	1633.8	1583.0	1492.4
25°	1744.3	1749.4	1790.0	1830.5	1820.9	1803.2	1778.9	1734.0	1680.2	1630.9	1533.6
27.5°	1844.5	1850.4	1890.1	1925.5	1900.5	1879.8	1852.6	1796.6	1742.1	1697.1	1586.7
30°	1952.8	1957.9	1993.3	2024.9	1991.8	1967.5	1935.1	1877.6	1822.4	1788.5	1661.8
32.5°	2057.4	2056.6	2090.5	2116.3	2082.4	2063.2	2033.8	1975.6	1931.4	1916.7	1773.8
35°	2154.6	2154.6	2182.6	2208.4	2184.0	2173.7	2146.5	2100.1	2075.0	2092.7	1923.3
37.5°	2252.6	2247.4	2273.9	2302.6	2300.4	2301.2	2285.7	2263.6	2265.1	2327.7	2128.8
40°	2333.6	2331.4	2362.3	2399.9	2429.3	2452.9	2443.3	2451.4	2497.8	2615.0	2391.8
42.5°	2398.4	2403.6	2443.3	2503.0	2577.4	2625.3	2631.9	2665.1	2784.4	2965.6	2688.6
45°	2472.8	2473.5	2528.8	2620.1	2738.7	2814.6	2841.1	2926.6	3096.0	3329.5	3014.2
47.5°	2564.1	2555.3	2617.2	2745.3	2917.0	3028.9	3076.1	3182.9	3445.1	3684.5	3279.4
50°	2665.1	2648.8	2718.8	2893.4	3116.6	3256.6	3352.3	3508.5	3791.3	3976.2	3476.8
52.5°	2782.2	2766.7	2846.3	3063.6	3356.0	3526.2	3649.2	3806.8	4088.2	4198.7	3594.7
55°	2931.0	2915.5	2999.5	3267.6	3638.9	3859.8	3988.7	4121.3	4364.4	4362.9	3680.1
57.5°	3096.0	3074.6	3191.0	3525.4	3991.7	4221.5	4352.6	4417.4	4574.3	4490.4	3737.6
60°	3285.3	3266.1	3427.4	3832.6	4399.0	4611.9	4694.4	4667.9	4746.7	4565.5	3717.7
62.5°	3456.2	3447.3	3647.7	4158.2	4787.2	4967.0	4989.8	4874.1	4873.4	4567.0	3583.6
65°	3633.7	3650.6	3948.2	4533.1	5177.6	5298.4	5259.4	5078.9	4924.2	4386.5	3187.3
67.5°	3700.0	3749.3	4146.4	4871.9	5485.5	5579.8	5511.3	5181.3	4712.8	3779.5	2427.1
70°	3290.4	3383.2	3959.3	4891.1	5613.0	5702.8	5538.6	4905.8	3929.1	2503.7	1329.6
72.5°	2502.3	2610.5	3299.3	4004.9	5048.0	5252.8	4972.1	3996.8	2532.5	1096.8	446.4
75°	1400.3	1517.4	2457.3	3015.7	3389.1	3576.2	3473.1	2564.1	1121.9	286.5	133.3
77.5°	473.6	512.7	1143.2	1865.8	2237.1	2069.1	1751.7	1273.6	412.5	109.0	70.7
80°	280.6	295.4	425.8	928.9	1177.1	976.0	770.5	470.7	209.9	58.2	49.4
82.5°	84.0	99.4	235.0	344.7	461.1	287.3	243.1	268.9	109.0	31.7	41.3
85°	0.0	0.0	50.1	106.8	120.8	47.1	47.1	152.5	19.9	13.3	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°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8
2.5°	1364.9	1339.2	1309.0	1280.2	1253.0	1217.6	1200.7	1180.0	1162.4	1152.8	1158.0
5°	1337.7	1297.2	1235.3	1172.7	1109.3	1049.7	995.9	959.8	927.4	910.4	914.1
7.5°	1314.1	1259.6	1163.1	1060.7	959.1	856.7	773.4	708.6	658.5	637.9	634.2
10°	1303.8	1235.3	1099.0	951.7	795.5	657.8	539.9	468.5	417.7	392.6	397.0
12.5°	1309.0	1222.8	1044.5	844.9	642.3	481.7	369.0	302.0	265.9	251.2	247.5
15°	1323.7	1219.8	995.9	735.9	495.7	336.6	254.9	227.6	220.2	218.8	218.8
17.5°	1340.6	1220.6	945.8	625.4	376.4	249.7	218.0	212.9	210.7	209.2	209.9
20°	1357.6	1220.6	888.4	513.4	282.9	215.8	207.7	204.0	201.8	201.1	201.1
22.5°	1378.2	1220.6	824.3	409.6	226.9	204.8	198.1	195.9	193.7	193.0	192.3
25°	1403.2	1221.3	753.6	320.4	206.3	195.2	190.0	187.8	185.6	184.2	184.2
27.5°	1439.3	1227.2	675.5	249.7	194.5	186.4	181.9	179.7	177.5	175.3	175.3
30°	1491.6	1241.9	587.8	206.3	183.4	176.8	172.4	170.9	168.7	166.5	165.7
32.5°	1569.7	1267.7	497.2	184.9	173.1	166.5	161.3	159.8	157.6	155.4	154.7
35°	1678.7	1314.8	408.8	171.6	159.8	153.2	150.3	149.5	146.6	144.4	144.4
37.5°	1838.6	1391.5	324.1	158.4	148.8	143.6	140.0	138.5	135.5	133.3	132.6
40°	2033.8	1490.9	251.9	148.1	138.5	133.3	129.6	127.4	123.8	120.8	119.3
42.5°	2282.8	1612.4	198.9	137.0	128.9	123.8	120.8	116.4	111.2	106.8	106.1
45°	2542.0	1737.7	164.3	126.7	120.1	115.6	112.0	106.1	98.7	93.5	92.1
47.5°	2740.9	1815.7	143.6	115.6	110.5	106.8	102.4	95.0	86.2	80.3	78.8
50°	2883.1	1827.5	128.2	105.3	102.4	98.7	92.1	83.2	73.7	67.8	66.3
52.5°	2953.1	1774.5	115.6	95.8	93.5	89.9	81.8	72.2	61.9	56.0	54.5
55°	2984.7	1674.3	103.9	87.7	84.7	80.3	71.5	61.1	50.8	45.7	44.2
57.5°	2972.2	1526.3	93.5	79.6	75.9	70.7	61.1	50.1	42.0	36.8	36.1
60°	2879.4	1318.5	83.2	71.5	67.0	61.1	51.6	41.3	33.9	30.2	29.5
62.5°	2679.0	1060.7	72.9	61.9	58.9	53.0	44.2	33.9	28.0	25.8	25.0
65°	2268.8	749.9	62.6	52.3	50.8	44.9	36.8	28.0	24.3	22.8	22.1
67.5°	1630.9	456.0	53.0	44.9	43.5	38.3	30.9	24.3	22.1	21.4	21.4
70°	819.8	215.8	42.0	36.8	36.8	31.7	26.5	22.1	21.4	20.6	20.6
72.5°	278.4	92.1	31.7	28.7	30.2	27.3	22.8	20.6	20.6	20.6	20.6
75°	95.0	48.6	22.1	20.6	22.1	22.1	19.9	19.9	20.6	20.6	20.6
77.5°	61.9	32.4	15.5	14.0	16.9	16.9	16.9	18.4	19.9	19.9	19.9
80°	50.8	17.7	10.3	9.6	12.5	12.5	14.0	16.9	18.4	18.4	18.4
82.5°	43.5	11.0	5.9	6.6	8.8	9.6	11.8	14.0	16.2	16.9	16.9
85°	29.5	5.9	4.4	5.2	5.9	7.4	9.6	11.8	13.3	14.7	14.7
87.5°	8.1	2.2	2.9	3.7	3.7	5.2	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)