

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: P634756

Luminaire Tested: GWS-SA3C-735-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-735-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8495.9 lumens
Efficiency: N/A
Efficacy: 91.4 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

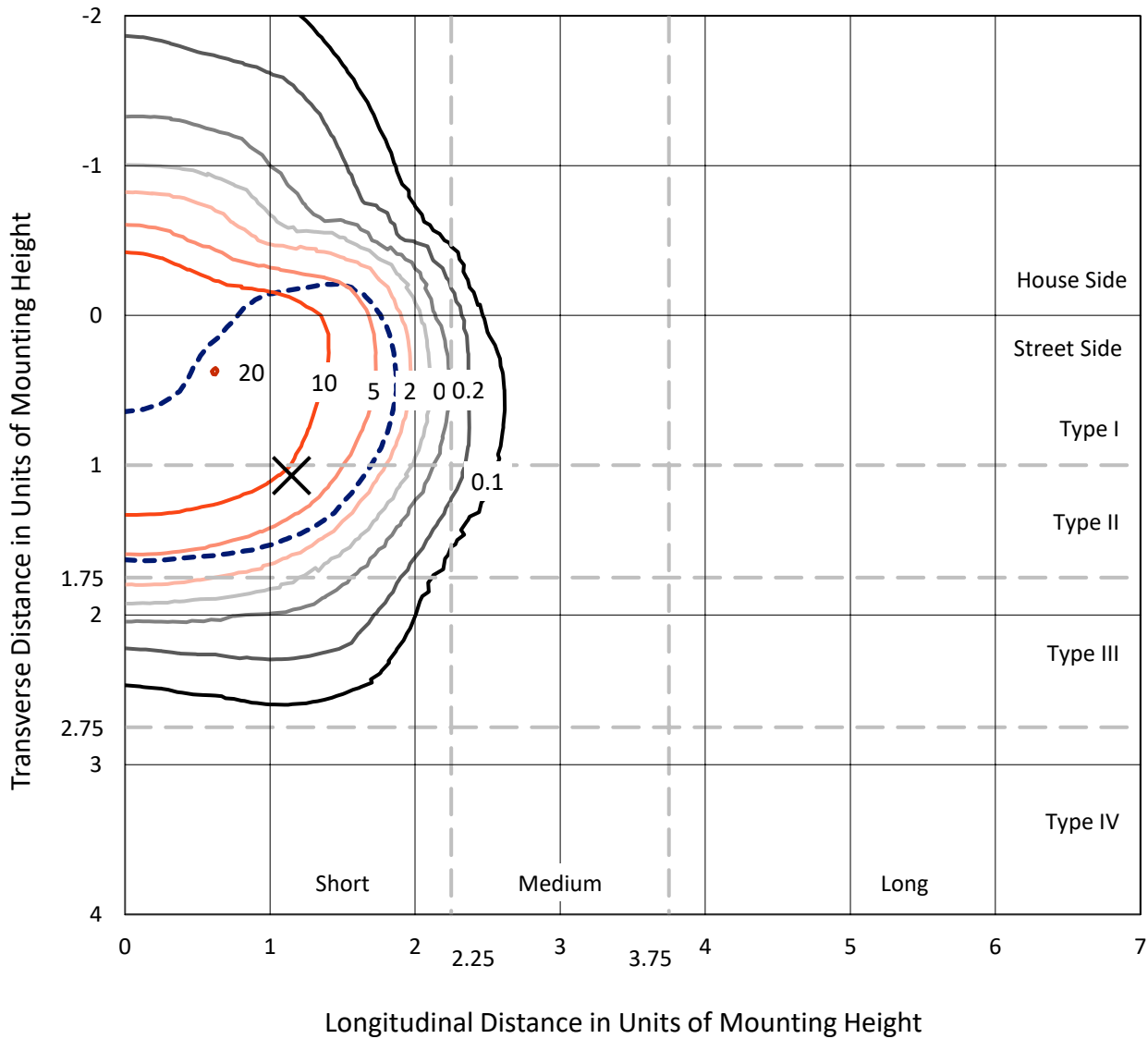
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

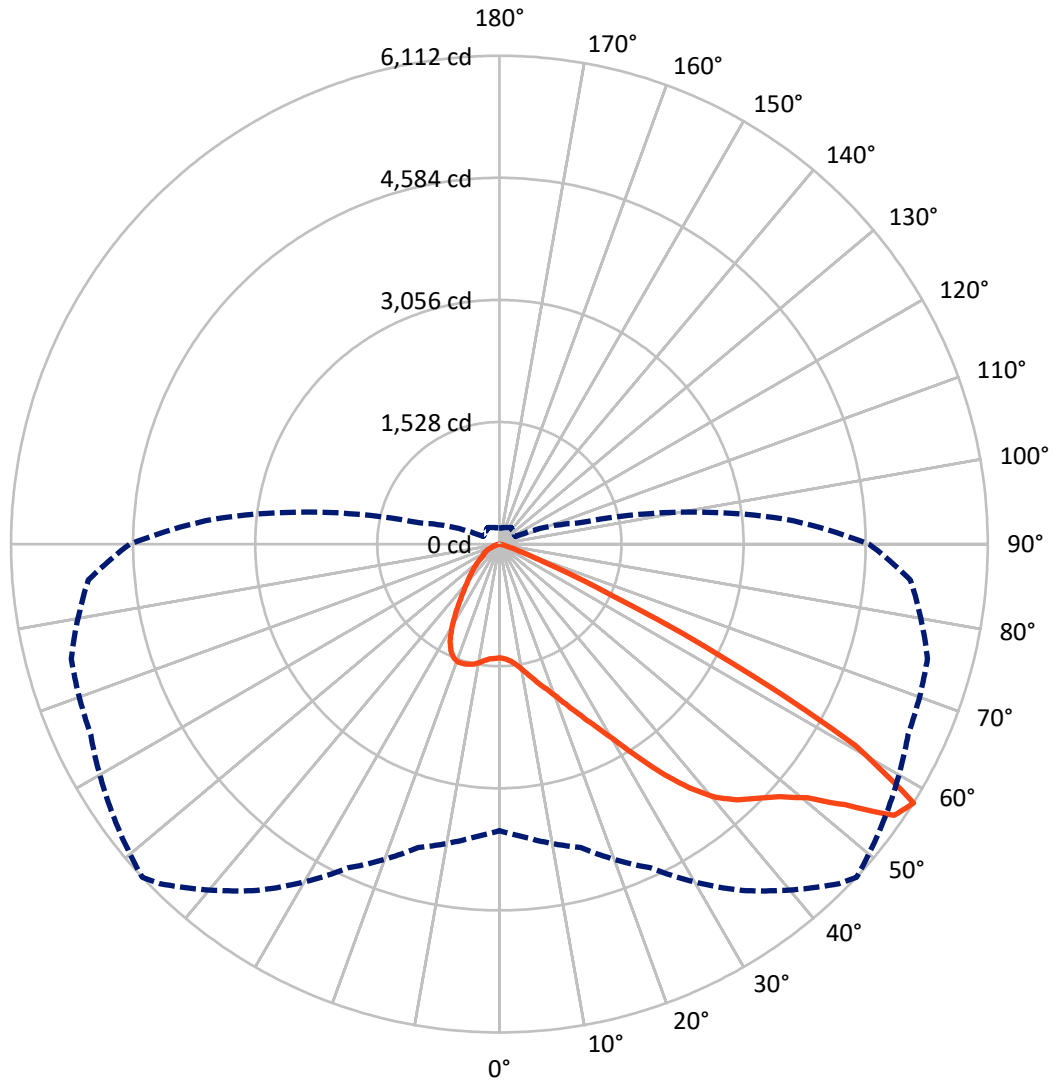
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1843.2	0.0	1843.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6652.7	0.0	6652.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	8495.9	0.0	8495.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	1.7
10°-20°	477.4	5.6
20°-30°	886.5	10.4
30°-40°	1419.1	16.7
40°-50°	2074.4	24.4
50°-60°	2560.2	30.1
60°-70°	855.5	10.1
70°-80°	79.7	0.9
80°-90°	1.7	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°	8495.9	100.0
0°-180°	8495.9	100.0

Coefficient of Utilization



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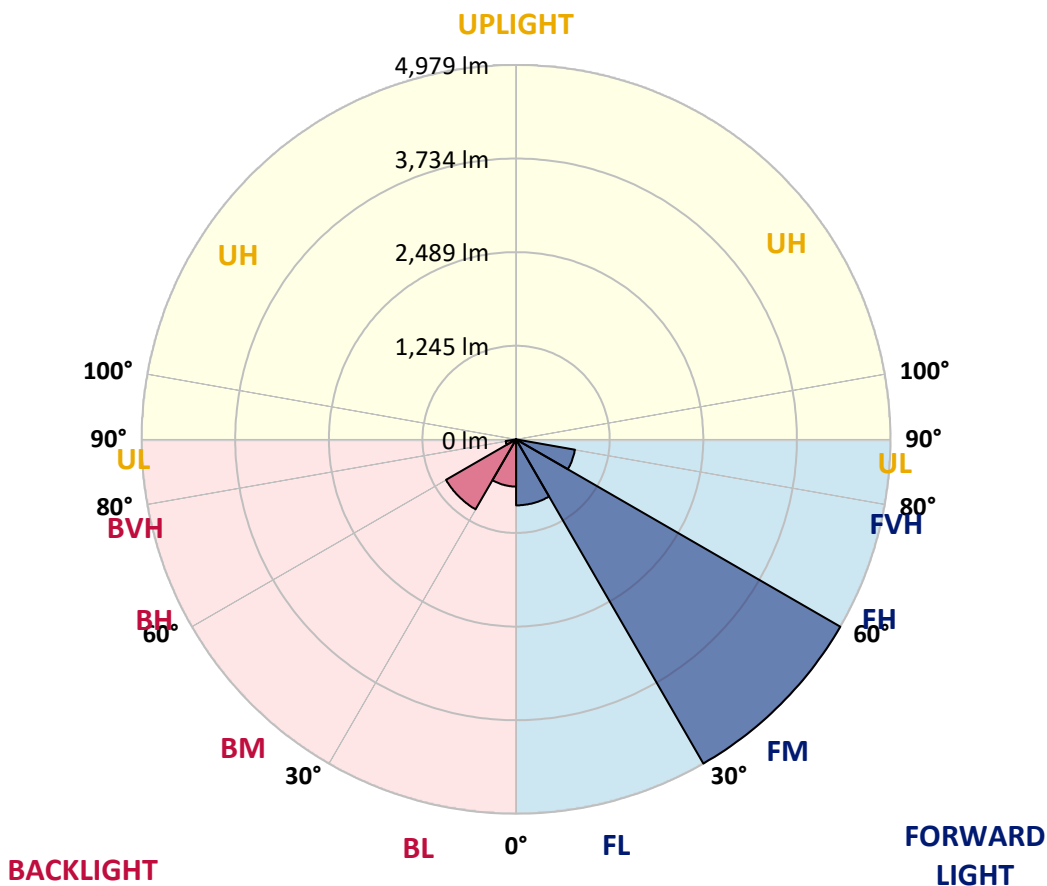
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	878.0	10.3			
FM (30°-60°)	4978.5	58.6			
FH (60°-80°)	795.0	9.4			G1/1800
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	627.4	7.4	B2/1000		
BM (30°-60°)	1075.1	12.7	B2/2500		
BH (60°-80°)	140.1	1.6	B1/500		G1/500
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2
2.5°	1437.0	1436.0	1435.0	1441.0	1439.0	1438.0	1440.0	1440.0	1440.0	1434.1	1422.2
5°	1471.5	1471.5	1470.6	1476.5	1471.5	1468.6	1469.6	1469.6	1465.6	1454.8	1440.0
7.5°	1525.8	1523.8	1521.8	1527.8	1522.8	1521.8	1523.8	1517.9	1511.0	1493.2	1472.5
10°	1603.7	1603.7	1600.7	1606.7	1602.7	1600.7	1600.7	1596.8	1584.0	1556.4	1525.8
12.5°	1711.2	1706.3	1699.4	1694.4	1692.5	1691.5	1692.5	1686.5	1672.7	1637.2	1594.8
15°	1828.6	1824.6	1813.8	1805.9	1795.0	1793.1	1799.0	1794.1	1780.2	1731.9	1671.8
17.5°	1976.5	1981.4	1953.8	1937.1	1905.5	1903.5	1905.5	1913.4	1903.5	1841.4	1753.6
20°	2102.8	2106.7	2086.0	2074.2	2045.6	2032.7	2036.7	2049.5	2038.7	1965.7	1843.4
22.5°	2237.9	2242.8	2221.1	2196.5	2183.6	2183.6	2198.4	2216.2	2201.4	2105.7	1945.9
25°	2399.6	2403.6	2385.8	2353.3	2330.6	2359.2	2380.9	2428.2	2403.6	2273.4	2067.3
27.5°	2585.1	2586.0	2560.4	2526.9	2515.0	2568.3	2590.0	2663.0	2653.1	2461.8	2195.5
30°	2783.3	2784.3	2778.4	2755.7	2744.8	2814.9	2844.4	2950.0	2943.1	2695.5	2370.0
32.5°	2989.4	2989.4	3000.3	2998.3	3011.1	3125.5	3172.9	3293.2	3286.3	2981.5	2587.0
35°	3196.5	3197.5	3216.3	3263.6	3316.9	3468.8	3530.9	3676.9	3661.1	3323.8	2864.2
37.5°	3432.3	3422.4	3448.1	3519.1	3637.4	3813.0	3872.2	4011.2	3993.5	3673.9	3226.1
40°	3716.3	3698.6	3698.6	3781.4	3915.6	4117.7	4168.0	4237.1	4176.9	3957.0	3581.2
42.5°	4030.0	4013.2	3991.5	4064.5	4176.9	4334.7	4376.1	4357.4	4308.1	4224.3	3985.6
45°	4347.5	4321.9	4336.7	4381.1	4446.2	4521.1	4536.9	4450.1	4427.4	4451.1	4319.9
47.5°	4589.2	4571.4	4607.9	4670.1	4723.3	4734.2	4723.3	4603.0	4601.0	4684.9	4551.7
50°	4670.1	4672.0	4772.6	4908.7	4994.5	5003.4	4988.6	4850.5	4831.8	4856.5	4677.0
52.5°	4677.9	4685.8	4832.8	5092.2	5325.9	5432.5	5420.6	5271.7	5088.2	5061.6	4866.3
55°	4487.6	4534.0	4739.1	5117.8	5614.9	5955.2	5994.6	5709.6	5437.4	5414.7	5273.7
57.5°	3587.1	3681.8	3929.4	4468.9	5292.4	6009.4	6112.0	5906.9	5643.5	5546.9	5164.2
60°	2144.2	2261.6	2499.2	3161.0	4028.0	4939.3	5115.9	5144.5	5023.1	4744.0	3961.9
62.5°	920.2	910.3	1203.3	1710.2	2395.7	3139.3	3219.2	3343.5	3449.0	3157.1	2404.6
65°	315.6	343.2	477.4	771.3	1199.3	1457.7	1528.7	1640.2	1790.1	1477.5	880.8
67.5°	195.3	207.1	275.2	455.7	647.0	637.1	605.6	587.8	572.0	391.6	241.6
70°	142.0	151.9	193.3	313.6	435.0	305.7	265.3	215.0	238.7	219.9	171.6
72.5°	95.7	103.6	133.1	190.4	222.9	148.9	138.1	156.8	189.4	180.5	140.1
75°	57.2	62.1	75.9	92.7	90.7	76.9	77.9	110.5	145.0	135.1	99.6
77.5°	39.5	41.4	50.3	60.2	44.4	23.7	21.7	30.6	49.3	49.3	33.5
80°	9.9	12.8	12.8	7.9	6.9	5.9	5.9	8.9	13.8	9.9	4.9
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
87.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
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°	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2
2.5°	1429.1	1417.3	1425.2	1423.2	1429.1	1431.1	1422.2	1420.3	1421.2	1409.4	1405.5
5°	1442.9	1429.1	1433.1	1429.1	1436.0	1441.9	1439.0	1442.9	1447.9	1439.0	1435.0
7.5°	1472.5	1458.7	1457.7	1451.8	1461.7	1465.6	1464.6	1475.5	1485.3	1479.4	1473.5
10°	1523.8	1505.1	1503.1	1498.2	1501.1	1504.1	1493.2	1495.2	1504.1	1497.2	1494.2
12.5°	1586.9	1564.2	1559.3	1547.5	1547.5	1532.7	1509.0	1504.1	1511.0	1506.1	1501.1
15°	1655.0	1624.4	1616.5	1595.8	1576.1	1548.5	1523.8	1517.9	1522.8	1516.9	1513.0
17.5°	1730.9	1696.4	1670.8	1634.3	1590.9	1558.3	1530.7	1517.9	1510.0	1498.2	1497.2
20°	1805.9	1760.5	1717.1	1658.9	1601.7	1552.4	1507.0	1473.5	1444.9	1427.2	1420.3
22.5°	1892.7	1825.6	1755.6	1673.7	1591.9	1516.9	1437.0	1379.8	1330.5	1313.7	1305.8
25°	1985.4	1898.6	1794.1	1687.5	1558.3	1438.0	1329.5	1244.7	1179.6	1157.9	1149.0
27.5°	2088.0	1968.6	1833.5	1684.6	1489.3	1325.6	1181.6	1076.0	1011.9	992.2	999.1
30°	2218.2	2059.4	1882.8	1654.0	1385.7	1167.8	999.1	910.3	862.0	843.3	844.3
32.5°	2391.7	2189.6	1954.8	1588.9	1252.6	988.3	840.3	775.2	742.7	718.0	716.0
35°	2640.3	2387.8	2021.9	1484.4	1090.8	828.5	721.0	669.7	624.3	595.7	600.6
37.5°	2938.1	2637.3	2058.4	1343.3	909.4	704.2	631.2	578.9	527.7	485.3	490.2
40°	3291.2	2963.8	2055.4	1157.9	743.7	619.4	556.3	495.1	431.0	392.5	396.5
42.5°	3684.8	3272.5	1991.3	961.6	616.4	550.3	484.3	407.3	345.2	321.5	322.5
45°	4026.0	3523.0	1878.9	758.5	518.8	483.3	409.3	330.4	302.8	286.0	285.0
47.5°	4278.5	3706.5	1718.1	596.7	439.9	422.1	336.3	295.9	274.2	260.4	258.4
50°	4419.5	3770.6	1540.6	467.5	371.8	358.0	300.8	268.3	253.5	244.6	242.6
52.5°	4608.9	3847.5	1413.3	368.9	311.7	292.9	277.1	249.5	239.7	232.8	229.8
55°	4908.7	3996.4	1302.9	292.9	259.4	255.4	261.4	238.7	232.8	221.9	218.0
57.5°	4626.7	3590.1	1011.9	226.8	219.0	233.7	252.5	227.8	213.0	203.2	199.2
60°	3255.7	2386.8	508.9	182.5	195.3	219.0	237.7	206.1	191.3	193.3	191.3
62.5°	1795.0	1194.4	228.8	152.9	169.6	193.3	203.2	178.5	168.7	185.4	188.4
65°	586.8	406.3	132.2	118.4	134.1	157.8	175.6	169.6	167.7	187.4	193.3
67.5°	180.5	134.1	89.8	84.8	92.7	116.4	147.9	183.4	197.3	203.2	206.1
70°	135.1	105.5	76.9	72.0	75.9	88.8	125.3	152.9	144.0	145.0	143.0
72.5°	108.5	83.8	66.1	63.1	63.1	61.1	66.1	82.8	93.7	98.6	98.6
75°	75.9	59.2	50.3	46.4	36.5	29.6	26.6	26.6	23.7	22.7	21.7
77.5°	25.6	21.7	19.7	15.8	10.8	8.9	7.9	6.9	4.9	3.0	2.0
80°	3.9	3.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
82.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	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)