

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: P633436

Luminaire Tested: GWS-SA2E-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633436
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-SA2E-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9090.3 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

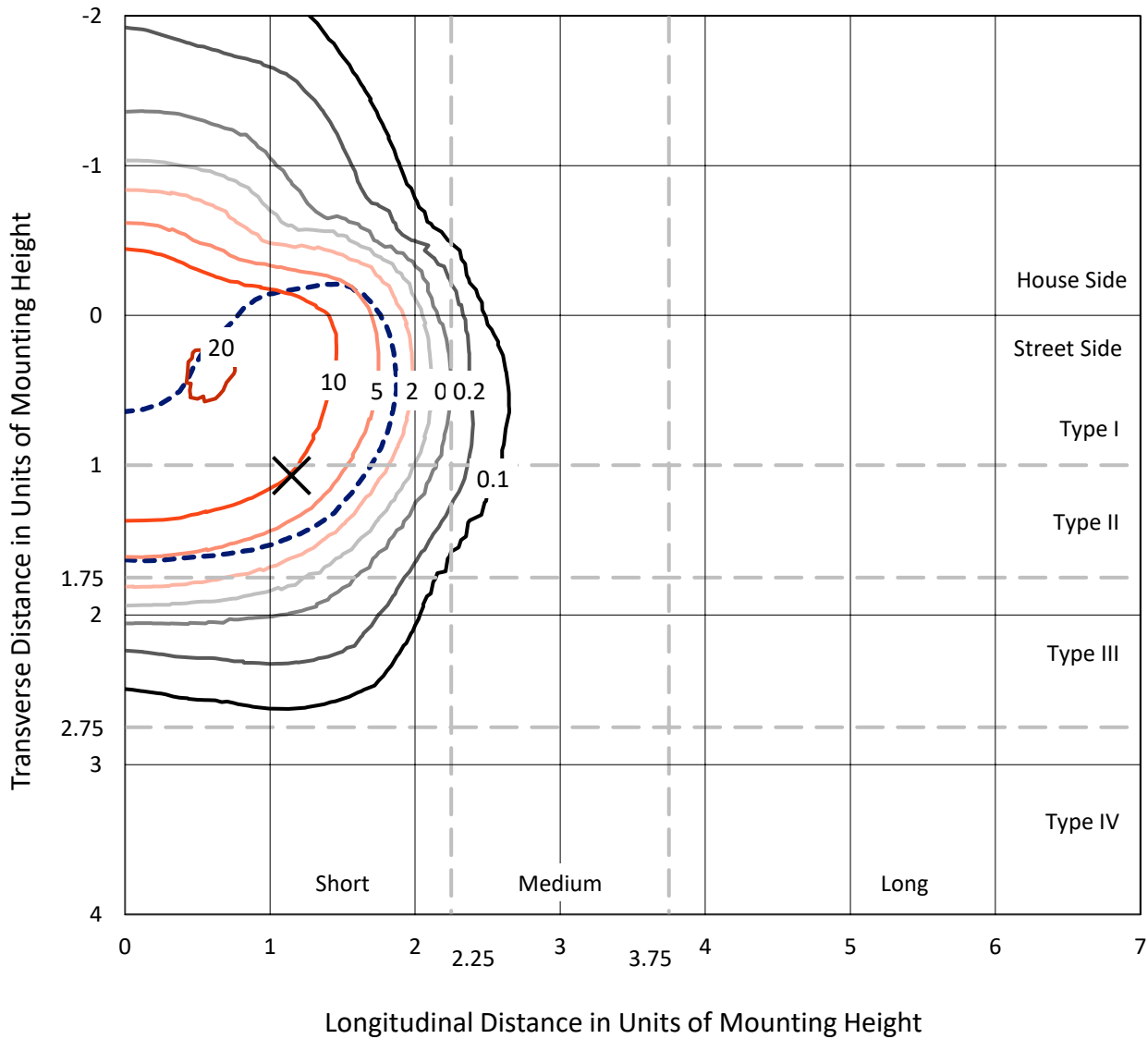
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

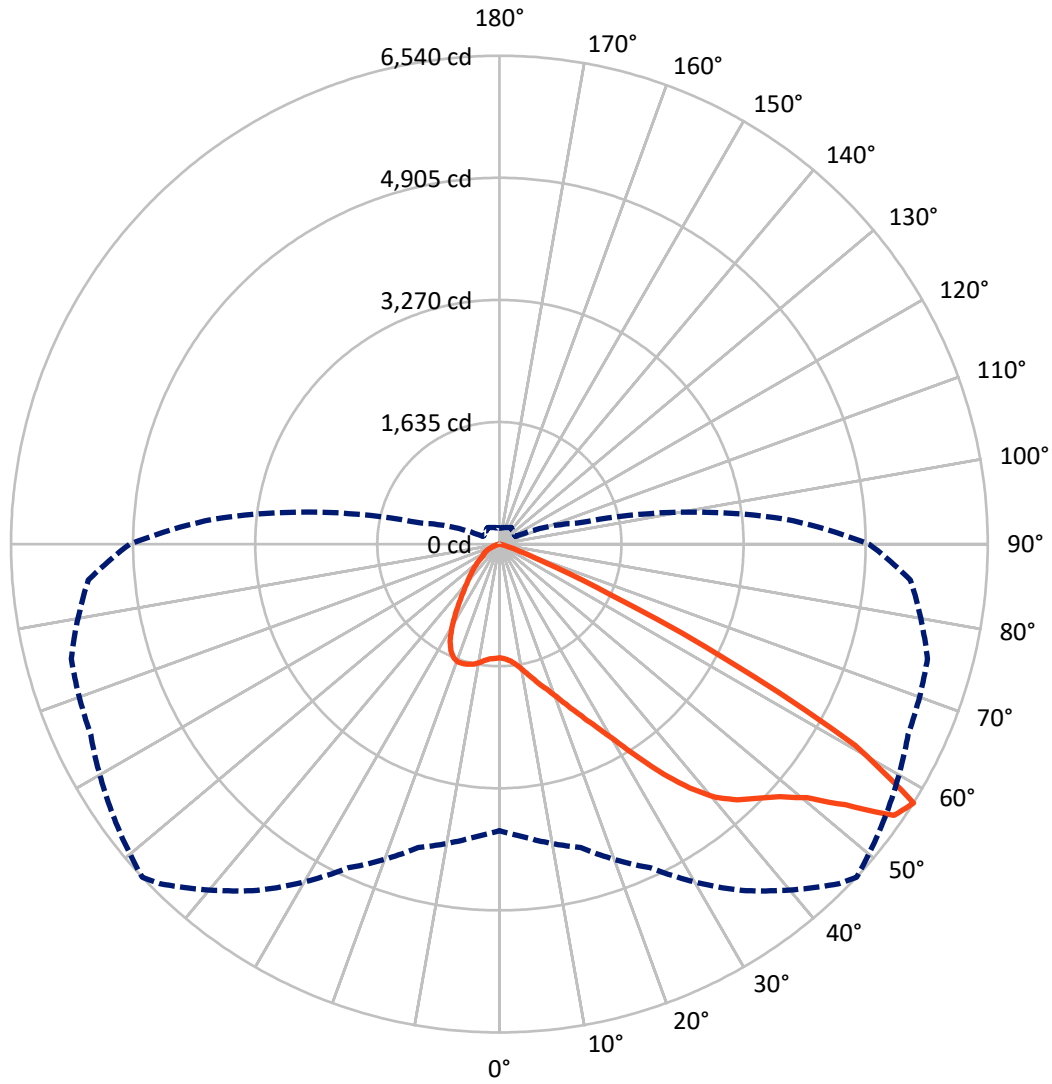
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.5 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	1972.1	0.0	1972.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7118.2	0.0	7118.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	9090.3	0.0	9090.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	1.7
10°-20°	510.8	5.6
20°-30°	948.5	10.4
30°-40°	1518.4	16.7
40°-50°	2219.5	24.4
50°-60°	2739.3	30.1
60°-70°	915.3	10.1
70°-80°	85.3	0.9
80°-90°	1.8	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°	9090.3	100.0
0°-180°	9090.3	100.0

Coefficient of Utilization



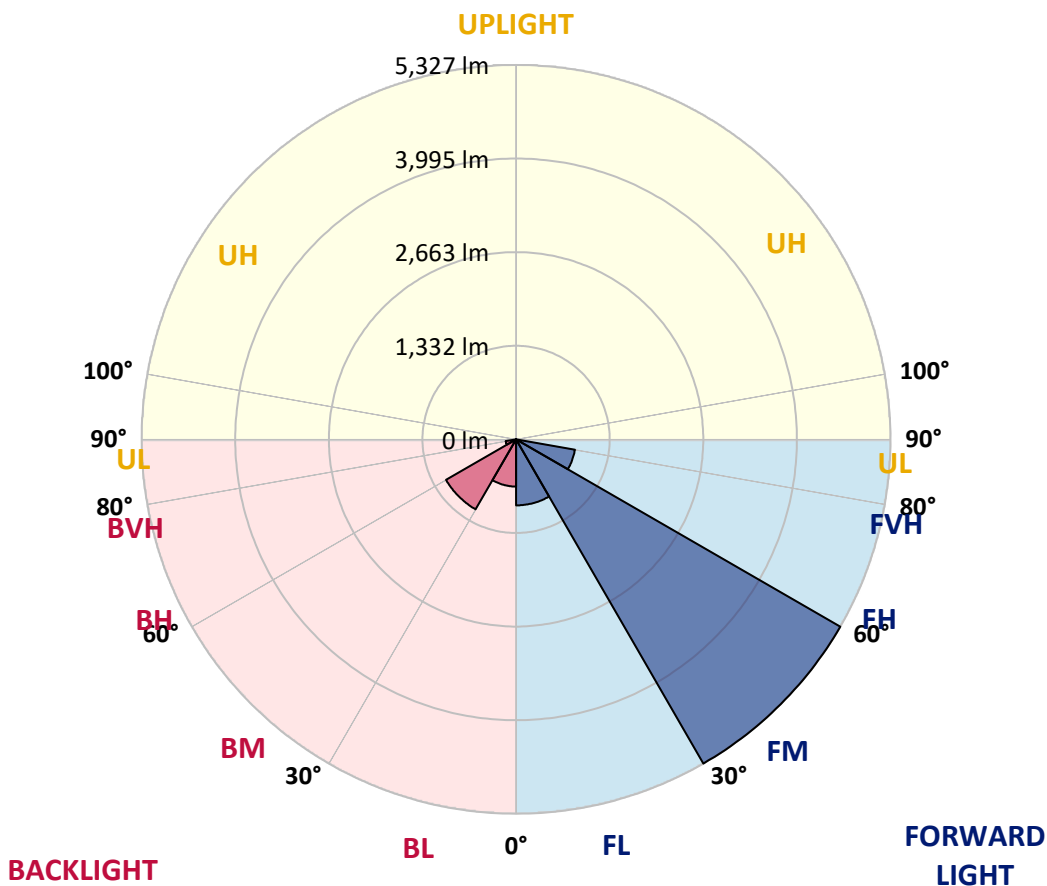
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	939.5	10.3			
FM (30°-60°)	5326.8	58.6			
FH (60°-80°)	850.7	9.4			G1/1800
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	671.3	7.4	B2/1000		
BM (30°-60°)	1150.3	12.7	B2/2500		
BH (60°-80°)	149.9	1.6	B1/500		G1/500
BVH (80°-90°)	0.6	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°	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7
2.5°	1537.6	1536.5	1535.4	1541.8	1539.7	1538.6	1540.7	1540.7	1540.7	1534.4	1521.7
5°	1574.5	1574.5	1573.4	1579.8	1574.5	1571.3	1572.4	1572.4	1568.2	1556.6	1540.7
7.5°	1632.5	1630.4	1628.3	1634.6	1629.4	1628.3	1630.4	1624.1	1616.7	1597.7	1575.5
10°	1715.9	1715.9	1712.7	1719.1	1714.8	1712.7	1712.7	1708.5	1694.8	1665.2	1632.5
12.5°	1830.9	1825.6	1818.3	1813.0	1810.9	1809.8	1810.9	1804.5	1789.8	1751.8	1706.4
15°	1956.5	1952.3	1940.7	1932.2	1920.6	1918.5	1924.8	1919.6	1904.8	1853.1	1788.7
17.5°	2114.8	2120.1	2090.5	2072.6	2038.8	2036.7	2038.8	2047.3	2036.7	1970.2	1876.3
20°	2249.9	2254.1	2231.9	2219.3	2188.7	2174.9	2179.2	2192.9	2181.3	2103.2	1972.3
22.5°	2394.4	2399.7	2376.5	2350.1	2336.4	2336.4	2352.2	2371.2	2355.4	2253.0	2082.1
25°	2567.5	2571.7	2552.7	2517.9	2493.6	2524.3	2547.5	2598.1	2571.7	2432.4	2211.9
27.5°	2765.9	2767.0	2739.5	2703.6	2691.0	2748.0	2771.2	2849.3	2838.7	2634.0	2349.1
30°	2978.0	2979.1	2972.7	2948.5	2936.9	3011.8	3043.5	3156.4	3149.0	2884.1	2535.9
32.5°	3198.6	3198.6	3210.2	3208.1	3221.8	3344.2	3394.9	3523.6	3516.2	3190.1	2768.0
35°	3420.2	3421.2	3441.3	3491.9	3548.9	3711.4	3777.9	3934.1	3917.2	3556.3	3064.6
37.5°	3672.4	3661.9	3689.3	3765.3	3891.9	4079.7	4143.1	4291.9	4272.9	3930.9	3451.8
40°	3976.3	3957.3	3957.3	4046.0	4189.5	4405.8	4459.6	4533.5	4469.1	4233.8	3831.8
42.5°	4311.9	4294.0	4270.8	4348.8	4469.1	4638.0	4682.3	4662.3	4609.5	4519.8	4264.4
45°	4651.7	4624.3	4640.1	4687.6	4757.2	4837.4	4854.3	4761.5	4737.2	4762.5	4622.2
47.5°	4910.3	4891.3	4930.3	4996.8	5053.8	5065.4	5053.8	4925.0	4922.9	5012.6	4870.2
50°	4996.8	4998.9	5106.5	5252.2	5344.0	5353.5	5337.6	5189.9	5169.9	5196.2	5004.2
52.5°	5005.2	5013.7	5170.9	5448.5	5698.6	5812.5	5799.9	5640.5	5444.2	5415.7	5206.8
55°	4801.6	4851.2	5070.7	5475.9	6007.8	6371.8	6414.0	6109.1	5817.8	5793.5	5642.6
57.5°	3838.1	3939.4	4204.3	4781.5	5662.7	6429.9	6539.6	6320.1	6038.4	5934.9	5525.5
60°	2294.2	2419.8	2674.1	3382.2	4309.8	5284.9	5473.8	5504.4	5374.6	5075.9	4239.1
62.5°	984.6	974.0	1287.5	1829.9	2563.3	3359.0	3444.5	3577.4	3690.3	3378.0	2572.8
65°	337.7	367.2	510.8	825.2	1283.2	1559.7	1635.7	1754.9	1915.3	1580.8	942.4
67.5°	208.9	221.6	294.4	487.5	692.3	681.7	647.9	629.0	612.1	418.9	258.5
70°	152.0	162.5	206.8	335.6	465.4	327.1	283.9	230.1	255.4	235.3	183.6
72.5°	102.4	110.8	142.5	203.7	238.5	159.3	147.7	167.8	202.6	193.1	149.9
75°	61.2	66.5	81.3	99.2	97.1	82.3	83.4	118.2	155.1	144.6	106.6
77.5°	42.2	44.3	53.8	64.4	47.5	25.3	23.2	32.7	52.8	52.8	35.9
80°	10.6	13.7	13.7	8.4	7.4	6.3	6.3	9.5	14.8	10.6	5.3
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1	2.1
85°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1
87.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1
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°	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7
2.5°	1529.1	1516.4	1524.9	1522.8	1529.1	1531.2	1521.7	1519.6	1520.7	1508.0	1503.8
5°	1543.9	1529.1	1533.3	1529.1	1536.5	1542.8	1539.7	1543.9	1549.2	1539.7	1535.4
7.5°	1575.5	1560.8	1559.7	1553.4	1563.9	1568.2	1567.1	1578.7	1589.3	1582.9	1576.6
10°	1630.4	1610.4	1608.3	1603.0	1606.1	1609.3	1597.7	1599.8	1609.3	1601.9	1598.8
12.5°	1698.0	1673.7	1668.4	1655.7	1655.7	1639.9	1614.6	1609.3	1616.7	1611.4	1606.1
15°	1770.8	1738.1	1729.6	1707.5	1686.4	1656.8	1630.4	1624.1	1629.4	1623.0	1618.8
17.5°	1852.0	1815.1	1787.7	1748.6	1702.2	1667.4	1637.8	1624.1	1615.6	1603.0	1601.9
20°	1932.2	1883.7	1837.3	1775.0	1713.8	1661.0	1612.5	1576.6	1546.0	1527.0	1519.6
22.5°	2025.1	1953.3	1878.4	1790.8	1703.2	1623.0	1537.6	1476.3	1423.6	1405.6	1397.2
25°	2124.3	2031.4	1919.6	1805.6	1667.4	1538.6	1422.5	1331.8	1262.1	1238.9	1229.4
27.5°	2234.0	2106.4	1961.8	1802.4	1593.5	1418.3	1264.2	1151.3	1082.7	1061.6	1069.0
30°	2373.3	2203.4	2014.5	1769.7	1482.7	1249.5	1069.0	974.0	922.3	902.3	903.3
32.5°	2559.1	2342.7	2091.6	1700.1	1340.2	1057.4	899.1	829.5	794.6	768.3	766.1
35°	2825.0	2554.9	2163.3	1588.2	1167.1	886.4	771.4	716.5	668.0	637.4	642.7
37.5°	3143.7	2821.8	2202.4	1437.3	973.0	753.5	675.4	619.5	564.6	519.2	524.5
40°	3521.5	3171.1	2199.2	1238.9	795.7	662.7	595.2	529.8	461.2	420.0	424.2
42.5°	3942.6	3501.4	2130.6	1028.9	659.6	588.9	518.1	435.8	369.4	344.0	345.1
45°	4307.7	3769.5	2010.3	811.5	555.1	517.1	437.9	353.5	324.0	306.0	305.0
47.5°	4577.8	3965.8	1838.3	638.4	470.7	451.7	359.9	316.6	293.4	278.6	276.5
50°	4728.7	4034.4	1648.4	500.2	397.8	383.1	321.9	287.0	271.2	261.7	259.6
52.5°	4931.4	4116.7	1512.2	394.7	333.5	313.4	296.5	267.0	256.4	249.0	245.9
55°	5252.2	4276.0	1394.0	313.4	277.5	273.3	279.7	255.4	249.0	237.4	233.2
57.5°	4950.4	3841.3	1082.7	242.7	234.3	250.1	270.2	243.8	227.9	217.4	213.2
60°	3483.5	2553.8	544.5	195.2	208.9	234.3	254.3	220.6	204.7	206.8	204.7
62.5°	1920.6	1278.0	244.8	163.6	181.5	206.8	217.4	191.0	180.5	198.4	201.6
65°	627.9	434.8	141.4	126.6	143.5	168.8	187.8	181.5	179.4	200.5	206.8
67.5°	193.1	143.5	96.0	90.8	99.2	124.5	158.3	196.3	211.1	217.4	220.6
70°	144.6	112.9	82.3	77.0	81.3	95.0	134.0	163.6	154.1	155.1	153.0
72.5°	116.1	89.7	70.7	67.5	67.5	65.4	70.7	88.6	100.3	105.5	105.5
75°	81.3	63.3	53.8	49.6	39.0	31.7	28.5	28.5	25.3	24.3	23.2
77.5°	27.4	23.2	21.1	16.9	11.6	9.5	8.4	7.4	5.3	3.2	2.1
80°	4.2	3.2	2.1	2.1	2.1	1.1	1.1	1.1	0.0	0.0	0.0
82.5°	2.1	2.1	2.1	2.1	2.1	1.1	1.1	0.0	0.0	0.0	0.0
85°	2.1	2.1	2.1	2.1	2.1	1.1	1.1	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	2.1	2.1	1.1	1.1	1.1	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)