

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: P631818

Luminaire Tested: GWS-SA2B-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-740-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4036.5 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

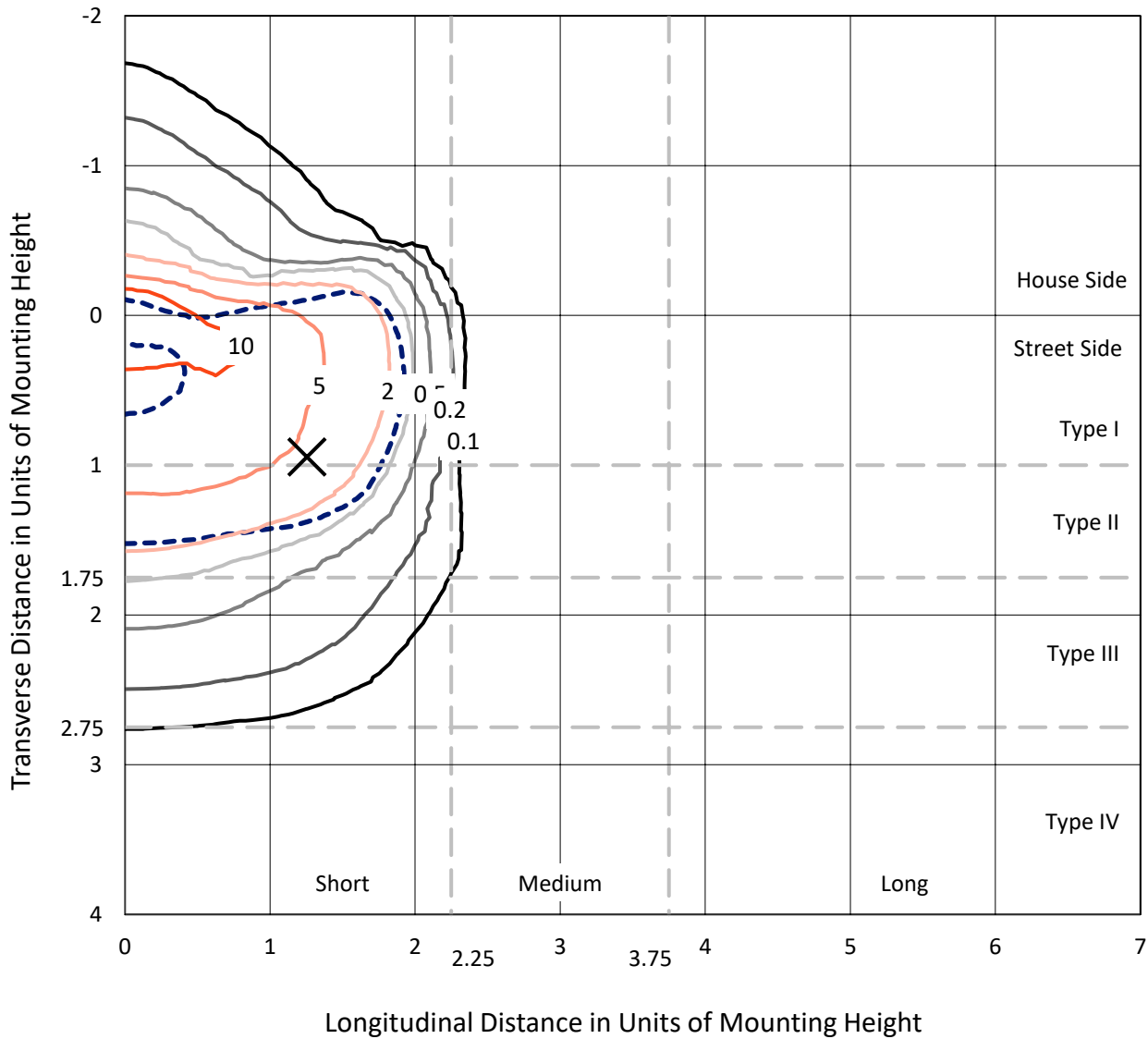
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

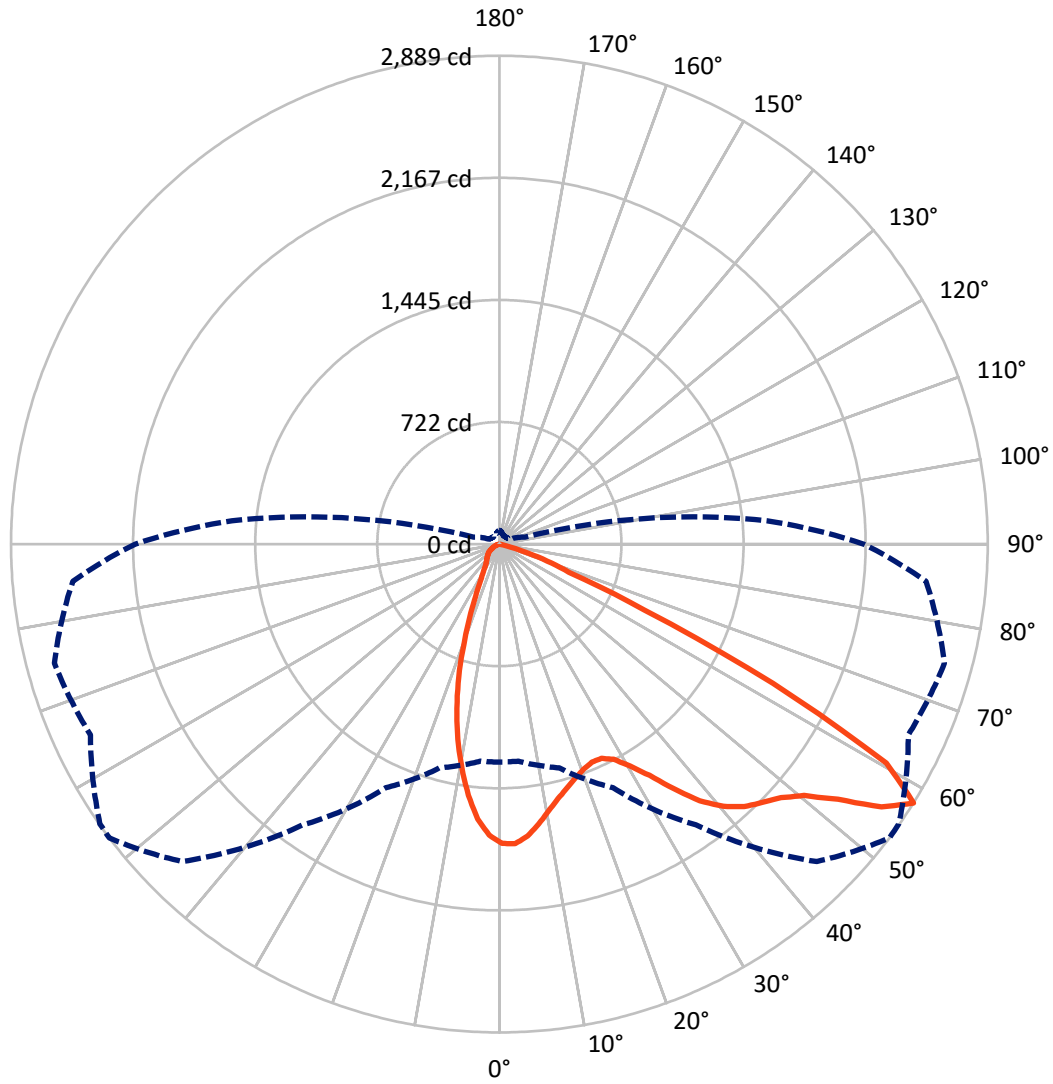
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.7 fc
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA2B-740-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	666.8	0.0	666.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3369.7	0.0	3369.7
	% Fixture	83.5	0.0	83.5
Total	Lumens	4036.5	0.0	4036.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	3.8
10°-20°	332.6	8.2
20°-30°	433.3	10.7
30°-40°	628.5	15.6
40°-50°	906.8	22.5
50°-60°	1096.7	27.2
60°-70°	447.0	11.1
70°-80°	40.2	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°	4036.5	100.0
0°-180°	4036.5	100.0

Coefficient of Utilization



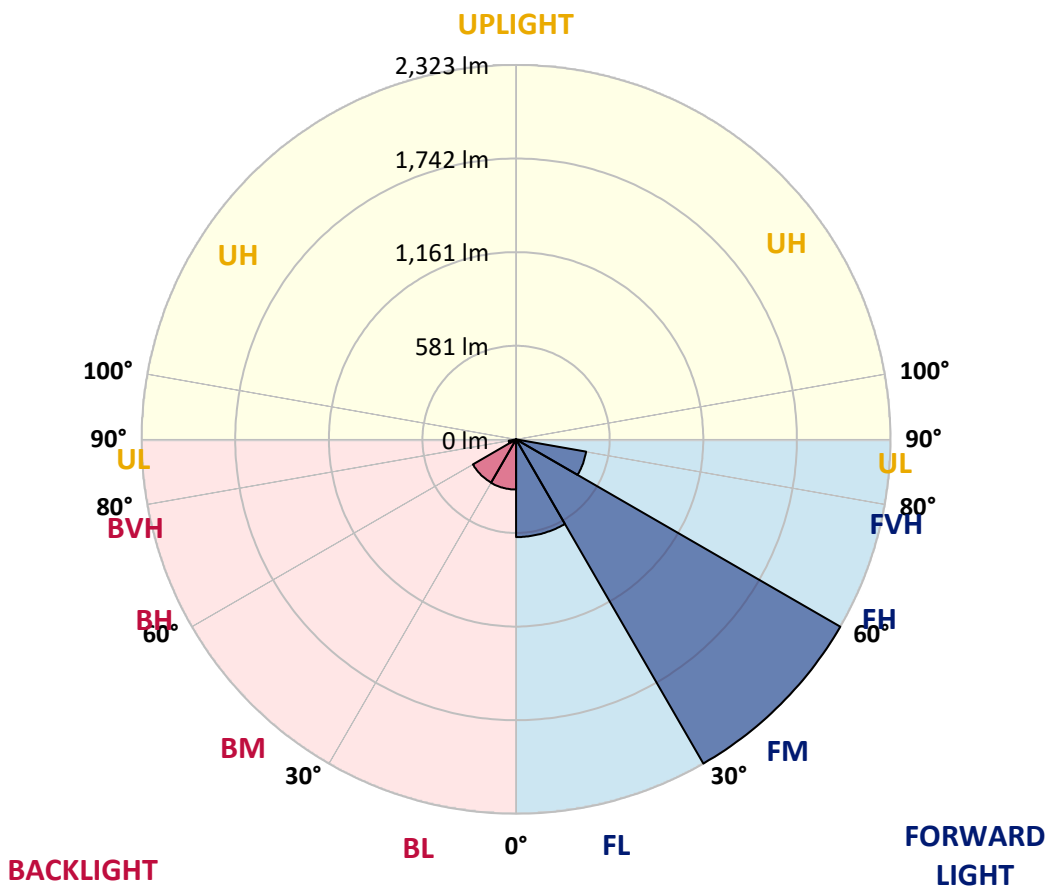
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	606.1	15.0			
FM (30°-60°)	2322.5	57.5			
FH (60°-80°)	441.1	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	311.2	7.7	B1/500		
BM (30°-60°)	309.5	7.7	B1/1000		
BH (60°-80°)	46.1	1.1	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: B1-U0-G0
 Type II Short





REPORT NUMBER: P631818

CATALOG NUMBER: GWS-SA2B-740-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6
2.5°	1745.9	1749.9	1756.8	1765.7	1771.6	1774.6	1774.6	1783.0	1777.6	1773.1	1768.2
5°	1671.2	1675.2	1684.6	1698.9	1713.3	1723.6	1735.5	1744.4	1747.9	1747.9	1739.5
7.5°	1565.8	1571.3	1577.2	1597.0	1628.2	1651.4	1671.7	1684.6	1703.4	1709.3	1697.4
10°	1452.5	1458.0	1471.3	1498.5	1534.2	1568.8	1603.4	1619.7	1651.9	1668.7	1655.4
12.5°	1356.5	1359.0	1376.8	1409.5	1455.0	1502.5	1544.5	1561.4	1606.9	1632.1	1616.3
15°	1277.4	1278.9	1296.7	1332.8	1385.2	1443.6	1496.6	1513.9	1569.8	1607.9	1584.1
17.5°	1217.5	1218.0	1233.4	1272.4	1327.4	1392.2	1455.0	1476.3	1548.5	1594.5	1558.9
20°	1187.4	1185.9	1196.8	1230.9	1282.8	1347.6	1421.9	1448.1	1536.6	1592.5	1539.6
22.5°	1187.8	1184.4	1188.8	1213.1	1257.1	1318.0	1401.1	1430.8	1537.6	1600.9	1523.3
25°	1216.0	1211.1	1212.1	1225.0	1256.1	1311.5	1404.0	1435.7	1557.4	1629.1	1517.3
27.5°	1263.5	1258.1	1258.1	1264.5	1281.4	1331.8	1441.1	1477.3	1610.3	1684.1	1529.7
30°	1324.9	1319.4	1317.5	1323.9	1337.8	1384.3	1523.8	1561.4	1700.9	1774.1	1569.3
32.5°	1395.1	1388.7	1392.2	1401.1	1414.4	1478.7	1630.1	1680.1	1814.2	1895.3	1640.5
35°	1469.3	1463.9	1479.7	1499.0	1519.8	1609.9	1777.1	1820.6	1953.2	2046.2	1749.4
37.5°	1540.1	1537.6	1570.8	1611.3	1654.4	1767.2	1926.5	1960.1	2072.4	2210.5	1882.4
40°	1610.8	1610.3	1667.2	1738.5	1807.2	1924.0	2039.8	2067.5	2145.1	2338.1	2010.1
42.5°	1690.0	1690.0	1768.7	1863.6	1955.2	2056.6	2122.9	2135.3	2177.8	2411.8	2106.1
45°	1765.7	1770.1	1861.2	1971.5	2079.8	2160.0	2180.3	2181.3	2191.2	2455.3	2185.7
47.5°	1825.6	1829.5	1938.4	2065.5	2182.3	2238.7	2241.6	2237.2	2226.3	2496.9	2247.1
50°	1874.0	1880.0	1993.8	2128.3	2252.5	2314.3	2337.1	2332.7	2304.9	2541.4	2290.1
52.5°	1897.8	1906.2	2013.1	2159.5	2330.7	2444.0	2507.3	2517.7	2422.7	2566.2	2331.2
55°	1707.8	1720.2	1818.6	2019.0	2374.2	2644.3	2743.8	2741.8	2550.3	2639.9	2431.1
57.5°	1289.8	1288.8	1370.4	1589.6	2027.9	2655.7	2889.2	2885.3	2669.6	2725.5	2533.5
60°	878.1	872.2	894.0	999.8	1417.9	2163.5	2629.5	2682.9	2585.0	2517.7	2151.1
62.5°	722.8	717.4	710.4	681.2	814.3	1347.6	1816.6	1897.8	1884.9	1749.9	1349.1
65°	591.7	596.1	615.4	603.1	566.5	691.1	943.0	990.9	905.9	762.4	471.5
67.5°	436.4	438.3	463.6	528.9	509.1	460.1	443.8	451.7	264.7	121.7	78.7
70°	257.8	259.2	282.5	370.1	413.1	353.2	299.8	295.4	104.9	32.7	35.6
72.5°	145.9	143.0	147.4	176.1	225.1	187.5	154.4	140.5	31.7	18.3	18.3
75°	69.3	67.3	57.9	54.4	49.5	31.7	19.8	16.8	7.9	7.4	7.4
77.5°	0.5	1.5	1.0	1.5	1.5	1.0	0.5	0.5	1.5	1.5	2.0
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6
2.5°	1759.3	1744.4	1741.0	1740.0	1726.1	1711.3	1695.9	1690.0	1681.1	1675.7	1680.1
5°	1726.1	1704.8	1686.0	1668.7	1638.1	1604.4	1575.2	1556.4	1538.6	1526.7	1529.7
7.5°	1679.1	1651.4	1608.4	1564.3	1507.9	1457.5	1401.1	1366.4	1334.3	1316.5	1324.9
10°	1629.1	1592.5	1523.8	1449.1	1360.5	1281.4	1200.7	1134.9	1096.8	1060.7	1064.7
12.5°	1580.2	1531.7	1428.8	1315.5	1203.7	1086.9	965.2	874.2	811.9	766.8	759.9
15°	1534.7	1472.3	1336.3	1186.9	1034.5	879.1	723.8	593.7	521.4	476.9	474.0
17.5°	1494.1	1416.9	1240.3	1052.3	861.3	662.4	483.8	386.4	344.8	325.5	323.6
20°	1455.0	1361.0	1142.3	915.7	672.3	465.0	333.9	288.9	275.6	267.6	268.6
22.5°	1417.4	1300.2	1039.4	764.4	504.1	326.5	258.7	241.4	239.9	240.9	241.4
25°	1385.7	1244.2	933.6	618.4	359.7	248.8	216.2	211.2	215.7	222.1	223.1
27.5°	1369.4	1198.7	830.2	471.5	260.2	202.3	187.5	189.5	197.4	204.3	205.3
30°	1373.9	1164.6	723.3	341.9	200.4	170.7	165.7	169.7	177.6	184.0	185.0
32.5°	1405.5	1147.3	614.0	248.8	164.7	148.9	146.9	149.9	156.8	161.8	162.3
35°	1468.4	1151.2	510.1	190.5	141.5	132.6	132.1	134.1	137.5	141.0	141.5
37.5°	1560.9	1183.4	407.7	158.3	128.1	121.7	119.7	119.7	122.2	123.7	124.7
40°	1660.3	1231.9	326.5	140.0	118.7	111.8	107.9	106.4	108.3	110.3	110.8
42.5°	1742.4	1280.4	265.2	127.1	111.3	101.9	97.0	96.0	98.5	101.9	102.9
45°	1805.3	1318.0	221.1	116.8	102.9	92.5	87.1	87.1	91.5	97.5	98.5
47.5°	1862.7	1348.1	188.5	107.4	95.0	84.1	78.7	79.7	87.1	95.0	96.5
50°	1901.7	1372.4	164.3	98.9	88.6	77.2	72.2	74.2	83.1	92.5	94.0
52.5°	1943.8	1402.1	148.4	91.5	82.6	71.7	67.3	68.8	78.7	89.1	91.0
55°	2060.1	1501.5	147.9	81.6	72.2	64.3	62.3	62.8	72.7	84.6	87.1
57.5°	2155.0	1589.1	157.8	68.8	60.4	56.4	55.4	55.9	64.8	78.2	81.1
60°	1783.0	1234.8	130.6	56.9	50.5	49.5	48.0	49.0	57.4	69.3	71.7
62.5°	1055.3	706.0	62.3	43.5	43.0	42.1	40.6	42.5	50.5	60.9	62.3
65°	360.7	209.3	39.6	35.6	36.6	35.1	33.6	35.6	42.5	48.5	49.0
67.5°	69.3	55.4	31.7	29.7	30.2	27.2	26.7	28.7	32.7	33.6	33.1
70°	36.1	32.2	24.2	24.2	23.3	19.3	19.3	21.3	21.3	19.8	19.3
72.5°	18.8	17.8	15.8	17.8	14.8	11.9	11.9	12.9	11.9	9.9	9.9
75°	7.4	7.4	6.9	8.9	6.4	5.4	4.9	5.9	4.5	3.5	3.5
77.5°	2.0	2.0	2.0	2.5	1.5	1.5	1.0	1.0	0.5	0.0	0.0
80°	0.0	0.5	0.0	0.5	0.0	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)