

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: P631928

Luminaire Tested: GWS-SA2B-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631928
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4072.4 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

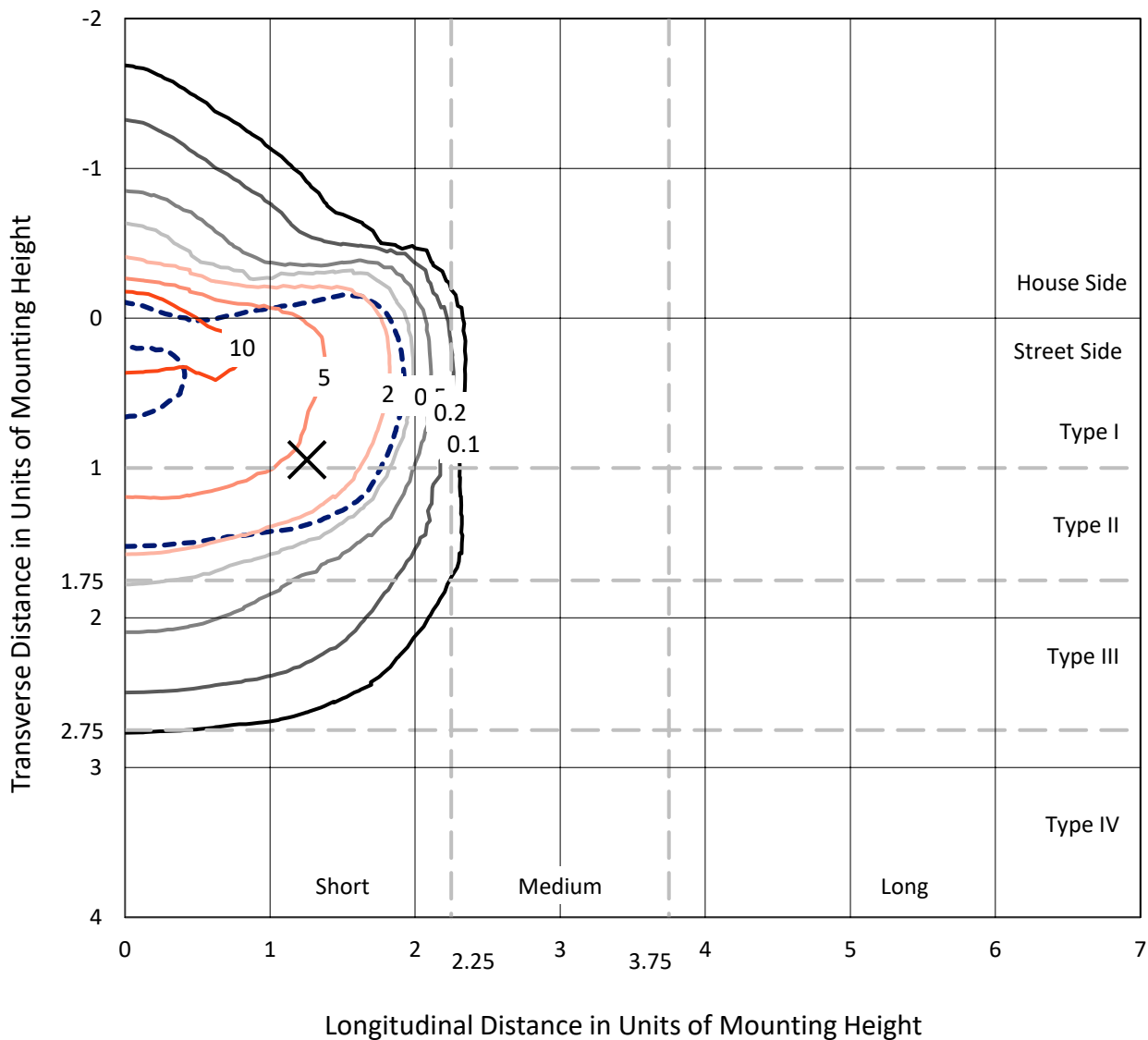
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

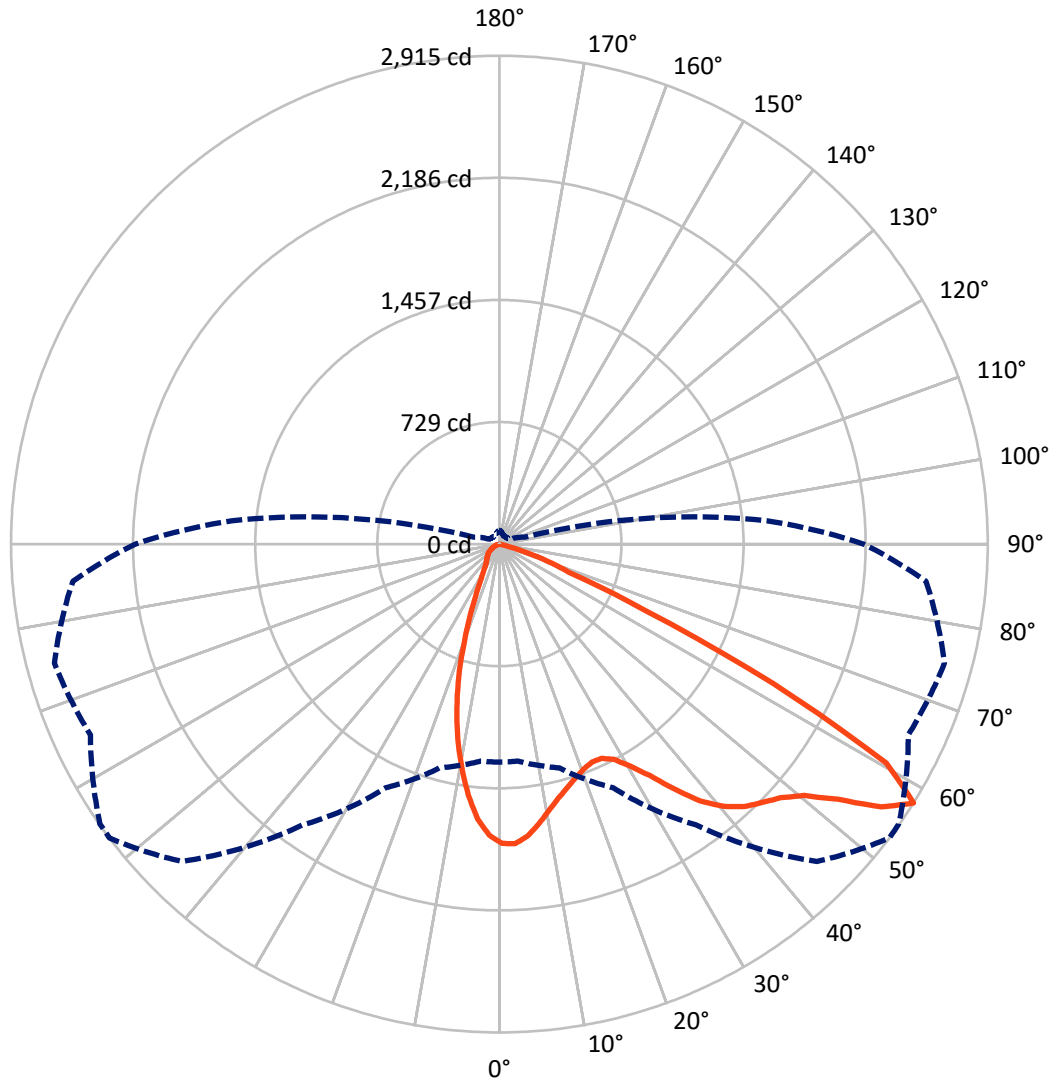
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.9 fc
 Type II - Short - N/A

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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	672.7	0.0	672.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3399.7	0.0	3399.7
	% Fixture	83.5	0.0	83.5
Total	Lumens	4072.4	0.0	4072.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.8	3.8
10°-20°	335.5	8.2
20°-30°	437.1	10.7
30°-40°	634.1	15.6
40°-50°	914.9	22.5
50°-60°	1106.5	27.2
60°-70°	451.0	11.1
70°-80°	40.5	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°	4072.4	100.0
0°-180°	4072.4	100.0

Coefficient of Utilization



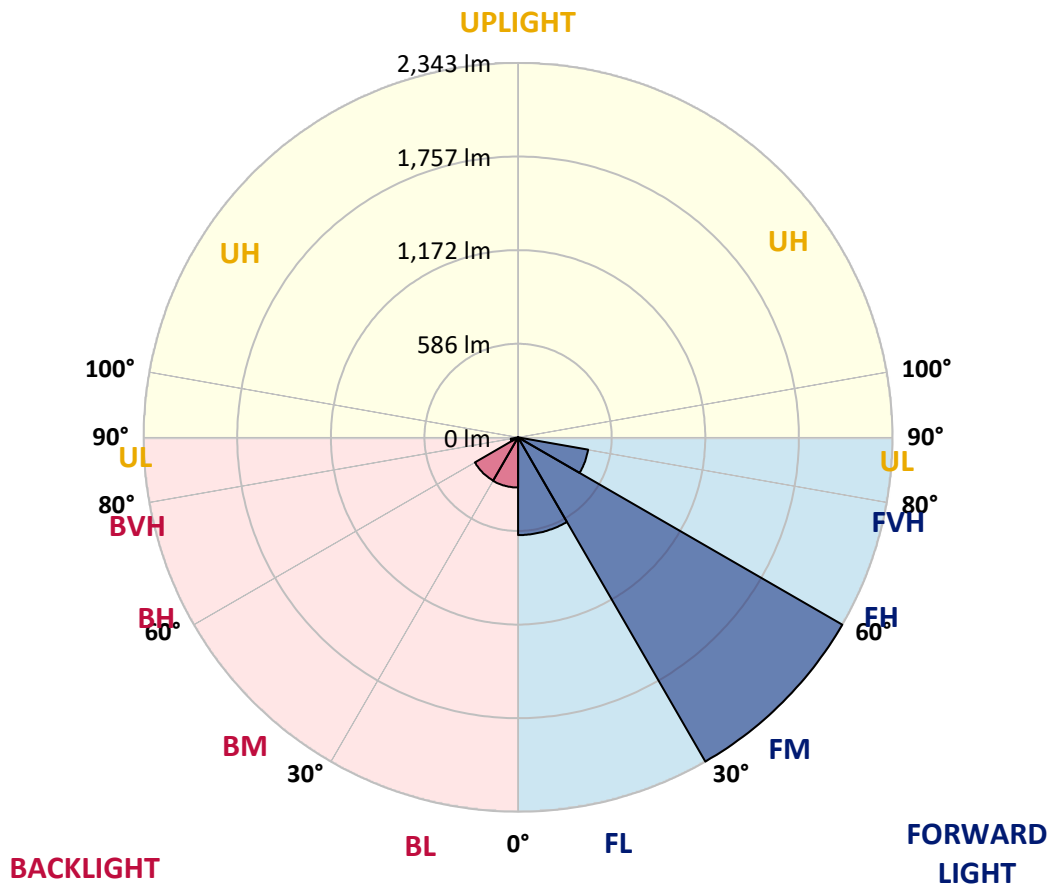
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	611.5	15.0			
FM (30°-60°)	2343.2	57.5			
FH (60°-80°)	445.0	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	314.0	7.7	B1/500		
BM (30°-60°)	312.2	7.7	B1/1000		
BH (60°-80°)	46.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4
2.5°	1761.4	1765.4	1772.4	1781.4	1787.4	1790.4	1790.4	1798.9	1793.4	1788.9	1783.9
5°	1686.1	1690.1	1699.5	1714.0	1728.5	1739.0	1750.9	1759.9	1763.4	1763.4	1754.9
7.5°	1579.7	1585.2	1591.2	1611.2	1642.6	1666.1	1686.6	1699.5	1718.5	1724.5	1712.5
10°	1465.4	1470.9	1484.4	1511.9	1547.8	1582.7	1617.7	1634.2	1666.6	1683.6	1670.1
12.5°	1368.6	1371.1	1389.1	1422.0	1467.9	1515.9	1558.3	1575.3	1621.2	1646.6	1630.7
15°	1288.8	1290.3	1308.2	1344.7	1397.6	1456.5	1509.9	1527.3	1583.7	1622.2	1598.2
17.5°	1228.4	1228.9	1244.3	1283.8	1339.2	1404.6	1467.9	1489.4	1562.3	1608.7	1572.8
20°	1197.9	1196.4	1207.4	1241.8	1294.2	1359.6	1434.5	1461.0	1550.3	1606.7	1553.3
22.5°	1198.4	1194.9	1199.4	1223.9	1268.3	1329.7	1413.5	1443.5	1551.3	1615.2	1536.8
25°	1226.9	1221.9	1222.9	1235.8	1267.3	1323.2	1416.5	1448.5	1571.3	1643.6	1530.8
27.5°	1274.8	1269.3	1269.3	1275.8	1292.7	1343.7	1454.0	1490.4	1624.7	1699.0	1543.3
30°	1336.7	1331.2	1329.2	1335.7	1349.6	1396.6	1537.3	1575.3	1716.0	1789.9	1583.2
32.5°	1407.5	1401.1	1404.6	1413.5	1427.0	1491.9	1644.6	1695.0	1830.3	1912.2	1655.1
35°	1482.4	1476.9	1492.9	1512.4	1533.3	1624.2	1792.9	1836.8	1970.6	2064.4	1764.9
37.5°	1553.8	1551.3	1584.7	1625.7	1669.1	1782.9	1943.6	1977.6	2090.9	2230.1	1899.2
40°	1625.2	1624.7	1682.1	1753.9	1823.3	1941.1	2057.9	2085.9	2164.2	2358.9	2028.0
42.5°	1705.0	1705.0	1784.4	1880.2	1972.6	2074.9	2141.8	2154.2	2197.2	2433.3	2124.8
45°	1781.4	1785.9	1877.7	1989.0	2098.3	2179.2	2199.7	2200.7	2210.6	2477.2	2205.2
47.5°	1841.8	1845.8	1955.6	2083.9	2201.7	2258.6	2261.6	2257.1	2246.1	2519.1	2267.0
50°	1890.7	1896.7	2011.5	2147.3	2272.5	2334.9	2357.9	2353.4	2325.4	2564.0	2310.5
52.5°	1914.7	1923.1	2031.0	2178.7	2351.4	2465.7	2529.6	2540.1	2444.2	2589.0	2351.9
55°	1723.0	1735.5	1834.8	2037.0	2395.3	2667.9	2768.2	2766.2	2573.0	2663.4	2452.7
57.5°	1301.2	1300.2	1382.6	1603.7	2045.9	2679.3	2914.9	2910.9	2693.3	2749.7	2556.0
60°	886.0	880.0	901.9	1008.7	1430.5	2182.7	2652.9	2706.8	2608.0	2540.1	2170.2
62.5°	729.2	723.7	716.8	687.3	821.6	1359.6	1832.8	1914.7	1901.7	1765.4	1361.1
65°	597.0	601.5	620.9	608.4	571.5	697.3	951.3	999.8	913.9	769.2	475.7
67.5°	440.2	442.2	467.7	533.6	513.6	464.2	447.7	455.7	267.0	122.8	79.4
70°	260.0	261.5	285.0	373.3	416.8	356.4	302.5	298.0	105.8	32.9	35.9
72.5°	147.2	144.2	148.7	177.7	227.1	189.2	155.7	141.8	31.9	18.5	18.5
75°	69.9	67.9	58.4	54.9	49.9	31.9	20.0	17.0	8.0	7.5	7.5
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°	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4
2.5°	1774.9	1759.9	1756.4	1755.4	1741.5	1726.5	1711.0	1705.0	1696.0	1690.6	1695.0
5°	1741.5	1720.0	1701.0	1683.6	1652.6	1618.7	1589.2	1570.3	1552.3	1540.3	1543.3
7.5°	1694.0	1666.1	1622.7	1578.2	1521.3	1470.4	1413.5	1378.6	1346.2	1328.2	1336.7
10°	1643.6	1606.7	1537.3	1462.0	1372.6	1292.7	1211.4	1145.0	1106.6	1070.1	1074.1
12.5°	1594.2	1545.3	1441.5	1327.2	1214.4	1096.6	973.8	882.0	819.1	773.7	766.7
15°	1548.3	1485.4	1348.2	1197.4	1043.7	887.0	730.2	599.0	526.1	481.2	478.2
17.5°	1507.4	1429.5	1251.3	1061.6	869.0	668.3	488.1	389.8	347.9	328.4	326.4
20°	1467.9	1373.1	1152.5	923.9	678.3	469.2	336.9	291.5	278.0	270.0	271.0
22.5°	1430.0	1311.7	1048.7	771.2	508.6	329.4	261.0	243.6	242.1	243.1	243.6
25°	1398.1	1255.3	941.9	623.9	362.9	251.1	218.1	213.1	217.6	224.1	225.1
27.5°	1381.6	1209.4	837.5	475.7	262.5	204.1	189.2	191.2	199.2	206.1	207.1
30°	1386.1	1175.0	729.7	344.9	202.1	172.2	167.2	171.2	179.2	185.7	186.7
32.5°	1418.0	1157.5	619.4	251.1	166.2	150.2	148.2	151.2	158.2	163.2	163.7
35°	1481.4	1161.5	514.6	192.2	142.8	133.8	133.3	135.3	138.8	142.3	142.8
37.5°	1574.8	1193.9	411.3	159.7	129.3	122.8	120.8	120.8	123.3	124.8	125.8
40°	1675.1	1242.8	329.4	141.3	119.8	112.8	108.8	107.3	109.3	111.3	111.8
42.5°	1757.9	1291.7	267.5	128.3	112.3	102.8	97.8	96.8	99.3	102.8	103.8
45°	1821.3	1329.7	223.1	117.8	103.8	93.3	87.8	87.8	92.3	98.3	99.3
47.5°	1879.2	1360.1	190.2	108.3	95.8	84.9	79.4	80.4	87.8	95.8	97.3
50°	1918.7	1384.6	165.7	99.8	89.3	77.9	72.9	74.9	83.9	93.3	94.8
52.5°	1961.1	1414.5	149.7	92.3	83.4	72.4	67.9	69.4	79.4	89.8	91.8
55°	2078.4	1514.9	149.2	82.4	72.9	64.9	62.9	63.4	73.4	85.4	87.8
57.5°	2174.2	1603.2	159.2	69.4	60.9	56.9	55.9	56.4	65.4	78.9	81.9
60°	1798.9	1245.8	131.8	57.4	50.9	49.9	48.4	49.4	57.9	69.9	72.4
62.5°	1064.6	712.3	62.9	43.9	43.4	42.4	40.9	42.9	50.9	61.4	62.9
65°	363.9	211.1	39.9	35.9	36.9	35.4	33.9	35.9	42.9	48.9	49.4
67.5°	69.9	55.9	31.9	29.9	30.4	27.5	27.0	28.9	32.9	33.9	33.4
70°	36.4	32.4	24.5	24.5	23.5	19.5	19.5	21.5	21.5	20.0	19.5
72.5°	19.0	18.0	16.0	18.0	15.0	12.0	12.0	13.0	12.0	10.0	10.0
75°	7.5	7.5	7.0	9.0	6.5	5.5	5.0	6.0	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)