

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: P632886

Luminaire Tested: GWS-SA2D-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632886  
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-SA2D-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

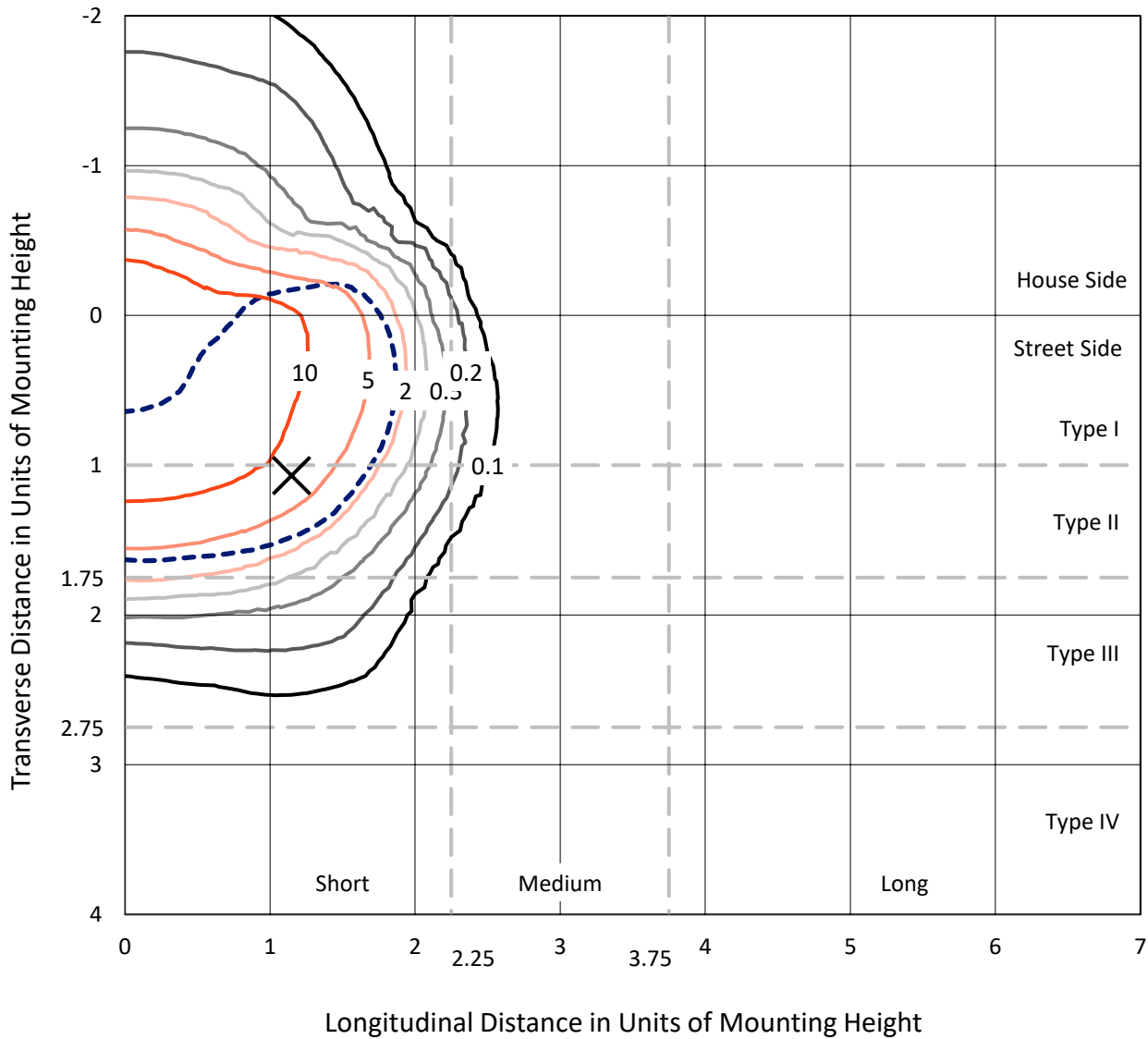
Lumens per Lamp: N/A  
Luminaire Lumens: 7375.4 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

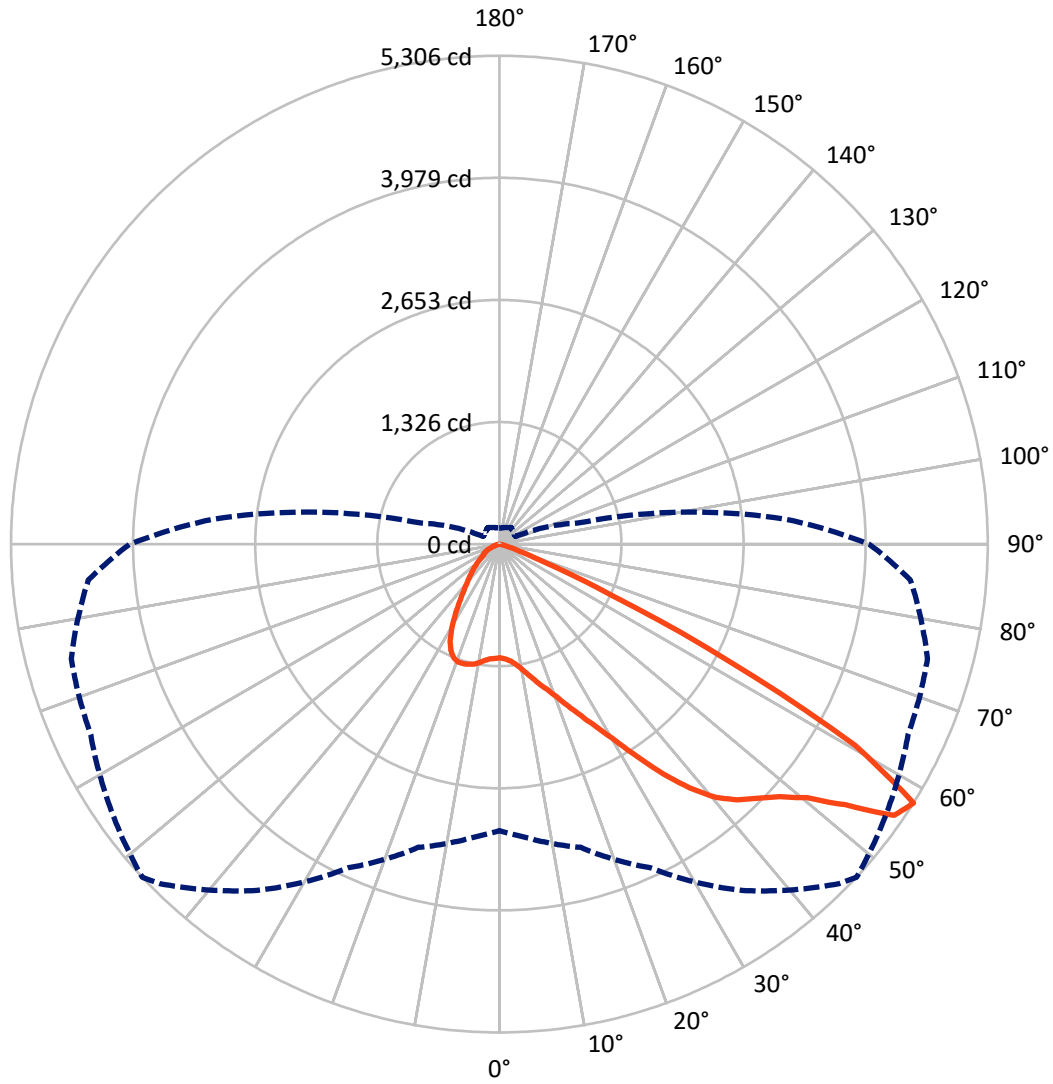
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.5 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
<b>House Side</b>	Lumens	1600.1	0.0	1600.1
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	5775.3	0.0	5775.3
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	7375.4	0.0	7375.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.8	1.7
10°-20°	414.5	5.6
20°-30°	769.6	10.4
30°-40°	1231.9	16.7
40°-50°	1800.8	24.4
50°-60°	2222.5	30.1
60°-70°	742.6	10.1
70°-80°	69.2	0.9
80°-90°	1.4	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°	7375.4	100.0
0°-180°	7375.4	100.0

**Coefficient of Utilization**



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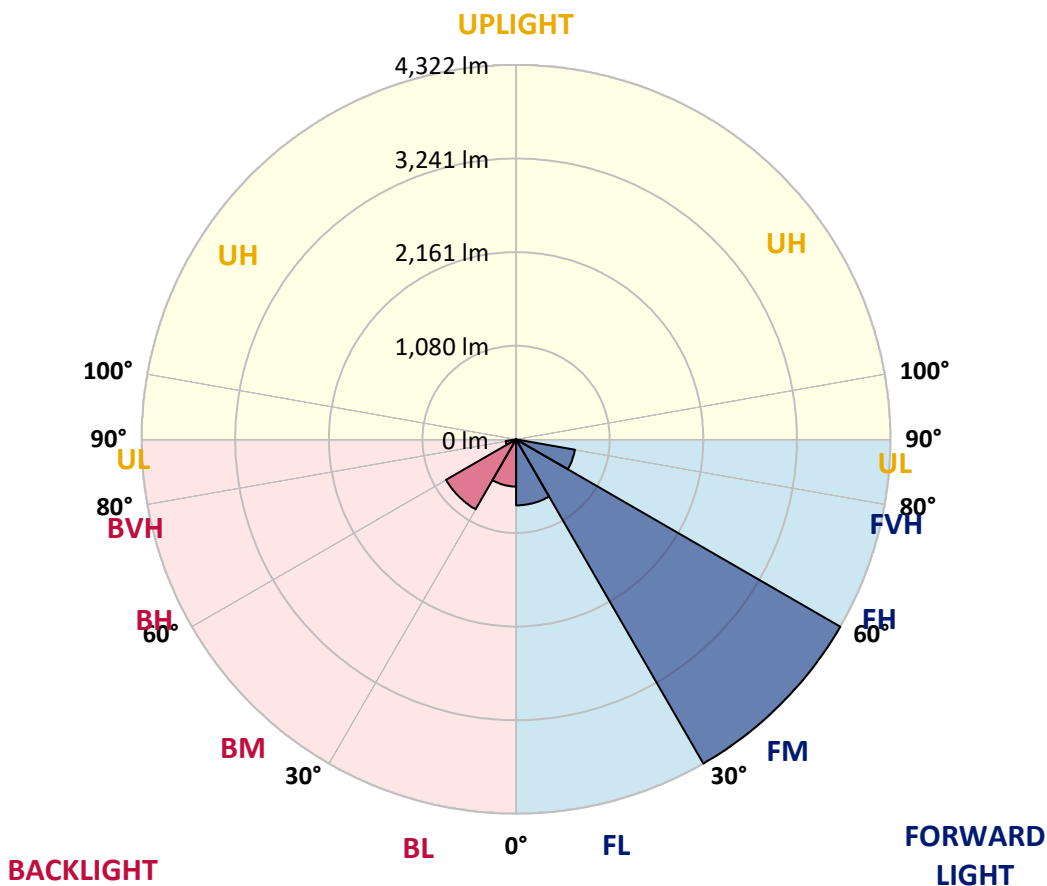
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	762.2	10.3			
FM (30°-60°)	4321.9	58.6			
FH (60°-80°)	690.2	9.4			G1/1800
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	544.6	7.4	B2/1000		
BM (30°-60°)	933.3	12.7	B1/1000		
BH (60°-80°)	121.6	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°	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6
2.5°	1247.5	1246.6	1245.8	1250.9	1249.2	1248.3	1250.1	1250.1	1250.1	1244.9	1234.6
5°	1277.5	1277.5	1276.6	1281.7	1277.5	1274.9	1275.7	1275.7	1272.3	1262.9	1250.1
7.5°	1324.6	1322.8	1321.1	1326.3	1322.0	1321.1	1322.8	1317.7	1311.7	1296.3	1278.3
10°	1392.2	1392.2	1389.6	1394.8	1391.3	1389.6	1389.6	1386.2	1375.1	1351.1	1324.6
12.5°	1485.5	1481.2	1475.2	1471.0	1469.3	1468.4	1469.3	1464.1	1452.1	1421.3	1384.5
15°	1587.4	1584.0	1574.6	1567.7	1558.3	1556.6	1561.7	1557.4	1545.5	1503.5	1451.3
17.5°	1715.8	1720.1	1696.1	1681.6	1654.2	1652.5	1654.2	1661.0	1652.5	1598.5	1522.3
20°	1825.4	1828.9	1810.9	1800.6	1775.8	1764.6	1768.1	1779.2	1769.8	1706.4	1600.3
22.5°	1942.7	1947.0	1928.2	1906.8	1895.6	1895.6	1908.5	1923.9	1911.1	1828.0	1689.3
25°	2083.2	2086.6	2071.2	2042.9	2023.2	2048.0	2066.9	2108.0	2086.6	1973.6	1794.6
27.5°	2244.1	2245.0	2222.7	2193.6	2183.3	2229.6	2248.4	2311.8	2303.2	2137.1	1905.9
30°	2416.2	2417.1	2411.9	2392.2	2382.8	2443.6	2469.3	2560.9	2554.9	2340.0	2057.5
32.5°	2595.2	2595.2	2604.6	2602.9	2614.0	2713.3	2754.4	2858.9	2852.9	2588.3	2245.8
35°	2775.0	2775.8	2792.1	2833.2	2879.4	3011.3	3065.2	3191.9	3178.2	2885.4	2486.4
37.5°	2979.6	2971.0	2993.3	3054.9	3157.7	3310.1	3361.5	3482.2	3466.8	3189.4	2800.7
40°	3226.2	3210.8	3210.8	3282.7	3399.1	3574.7	3618.3	3678.3	3626.0	3435.1	3108.9
42.5°	3498.5	3483.9	3465.1	3528.4	3626.0	3763.0	3799.0	3782.7	3739.9	3667.1	3459.9
45°	3774.2	3751.9	3764.7	3803.3	3859.8	3924.9	3938.6	3863.2	3843.5	3864.1	3750.2
47.5°	3983.9	3968.5	4000.2	4054.1	4100.4	4109.8	4100.4	3995.9	3994.2	4067.0	3951.4
50°	4054.1	4055.9	4143.2	4261.3	4335.8	4343.5	4330.7	4210.8	4194.6	4216.0	4060.1
52.5°	4061.0	4067.8	4195.4	4420.6	4623.5	4716.0	4705.7	4576.4	4417.2	4394.1	4224.5
55°	3895.7	3936.0	4114.1	4442.9	4874.4	5169.8	5204.0	4956.6	4720.3	4700.6	4578.1
57.5°	3114.0	3196.2	3411.1	3879.5	4594.4	5216.9	5305.9	5127.8	4899.2	4815.3	4483.1
60°	1861.4	1963.3	2169.6	2744.1	3496.7	4287.9	4441.1	4466.0	4360.7	4118.4	3439.4
62.5°	798.8	790.3	1044.6	1484.7	2079.7	2725.3	2794.7	2902.5	2994.2	2740.7	2087.4
65°	274.0	298.0	414.4	669.6	1041.1	1265.5	1327.1	1423.9	1554.0	1282.6	764.6
67.5°	169.5	179.8	238.9	395.6	561.7	553.1	525.7	510.3	496.6	339.9	209.8
70°	123.3	131.9	167.8	272.3	377.6	265.4	230.3	186.7	207.2	190.9	149.0
72.5°	83.1	89.9	115.6	165.2	193.5	129.3	119.9	136.1	164.4	156.7	121.6
75°	49.7	53.9	65.9	80.5	78.8	66.8	67.6	95.9	125.9	117.3	86.5
77.5°	34.2	36.0	43.7	52.2	38.5	20.5	18.8	26.5	42.8	42.8	29.1
80°	8.6	11.1	11.1	6.8	6.0	5.1	5.1	7.7	12.0	8.6	4.3
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7
87.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
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°	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6
2.5°	1240.6	1230.4	1237.2	1235.5	1240.6	1242.4	1234.6	1232.9	1233.8	1223.5	1220.1
5°	1252.6	1240.6	1244.1	1240.6	1246.6	1251.8	1249.2	1252.6	1256.9	1249.2	1245.8
7.5°	1278.3	1266.3	1265.5	1260.3	1268.9	1272.3	1271.5	1280.9	1289.4	1284.3	1279.2
10°	1322.8	1306.6	1304.9	1300.6	1303.1	1305.7	1296.3	1298.0	1305.7	1299.7	1297.2
12.5°	1377.6	1357.9	1353.7	1343.4	1343.4	1330.5	1310.0	1305.7	1311.7	1307.4	1303.1
15°	1436.7	1410.2	1403.3	1385.3	1368.2	1344.2	1322.8	1317.7	1322.0	1316.8	1313.4
17.5°	1502.6	1472.7	1450.4	1418.7	1381.1	1352.8	1328.8	1317.7	1310.9	1300.6	1299.7
20°	1567.7	1528.3	1490.7	1440.1	1390.5	1347.7	1308.3	1279.2	1254.3	1238.9	1232.9
22.5°	1643.1	1584.8	1524.0	1453.0	1381.9	1316.8	1247.5	1197.8	1155.0	1140.5	1133.6
25°	1723.5	1648.2	1557.4	1465.0	1352.8	1248.3	1154.2	1080.5	1024.0	1005.2	997.5
27.5°	1812.6	1709.0	1591.7	1462.4	1292.9	1150.7	1025.7	934.1	878.5	861.3	867.3
30°	1925.6	1787.8	1634.5	1435.9	1203.0	1013.7	867.3	790.3	748.3	732.1	732.9
32.5°	2076.3	1900.8	1697.0	1379.3	1087.4	857.9	729.5	673.0	644.7	623.3	621.6
35°	2292.1	2072.9	1755.2	1288.6	947.0	719.2	625.9	581.4	542.0	517.1	521.4
37.5°	2550.6	2289.5	1786.9	1166.2	789.4	611.3	548.0	502.6	458.1	421.3	425.5
40°	2857.2	2572.9	1784.3	1005.2	645.6	537.7	482.9	429.8	374.2	340.8	344.2
42.5°	3198.8	2840.9	1728.7	834.8	535.1	477.8	420.4	353.6	299.7	279.1	280.0
45°	3495.0	3058.4	1631.1	658.4	450.4	419.5	355.3	286.8	262.9	248.3	247.4
47.5°	3714.2	3217.6	1491.5	518.0	381.9	366.5	292.0	256.9	238.0	226.0	224.3
50°	3836.7	3273.3	1337.4	405.8	322.8	310.8	261.1	232.9	220.0	212.3	210.6
52.5°	4001.1	3340.1	1226.9	320.2	270.6	254.3	240.6	216.6	208.1	202.1	199.5
55°	4261.3	3469.3	1131.0	254.3	225.2	221.8	226.9	207.2	202.1	192.6	189.2
57.5°	4016.5	3116.6	878.5	196.9	190.1	202.9	219.2	197.8	184.9	176.4	173.0
60°	2826.3	2072.0	441.8	158.4	169.5	190.1	206.3	178.9	166.1	167.8	166.1
62.5°	1558.3	1036.9	198.6	132.7	147.3	167.8	176.4	155.0	146.4	161.0	163.5
65°	509.4	352.8	114.7	102.7	116.4	137.0	152.4	147.3	145.6	162.7	167.8
67.5°	156.7	116.4	77.9	73.6	80.5	101.0	128.4	159.3	171.2	176.4	178.9
70°	117.3	91.6	66.8	62.5	65.9	77.1	108.7	132.7	125.0	125.9	124.1
72.5°	94.2	72.8	57.4	54.8	54.8	53.1	57.4	71.9	81.3	85.6	85.6
75°	65.9	51.4	43.7	40.2	31.7	25.7	23.1	23.1	20.5	19.7	18.8
77.5°	22.3	18.8	17.1	13.7	9.4	7.7	6.8	6.0	4.3	2.6	1.7
80°	3.4	2.6	1.7	1.7	1.7	0.9	0.9	0.9	0.0	0.0	0.0
82.5°	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.0	0.0	0.0	0.0
85°	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	0.9	0.9	0.9	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)