

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: P634420

Luminaire Tested: GWS-SA3B-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7860.6 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

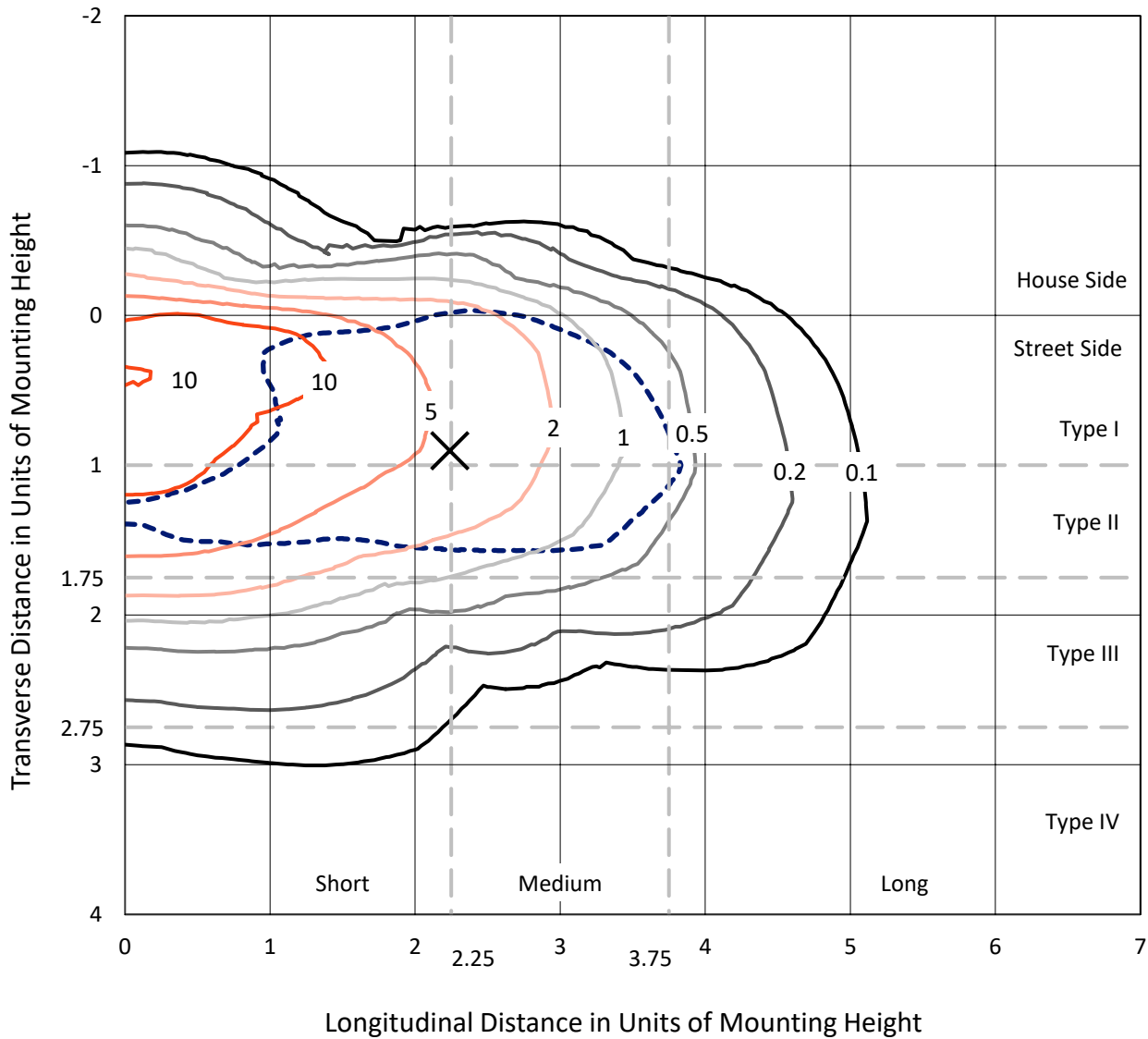
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

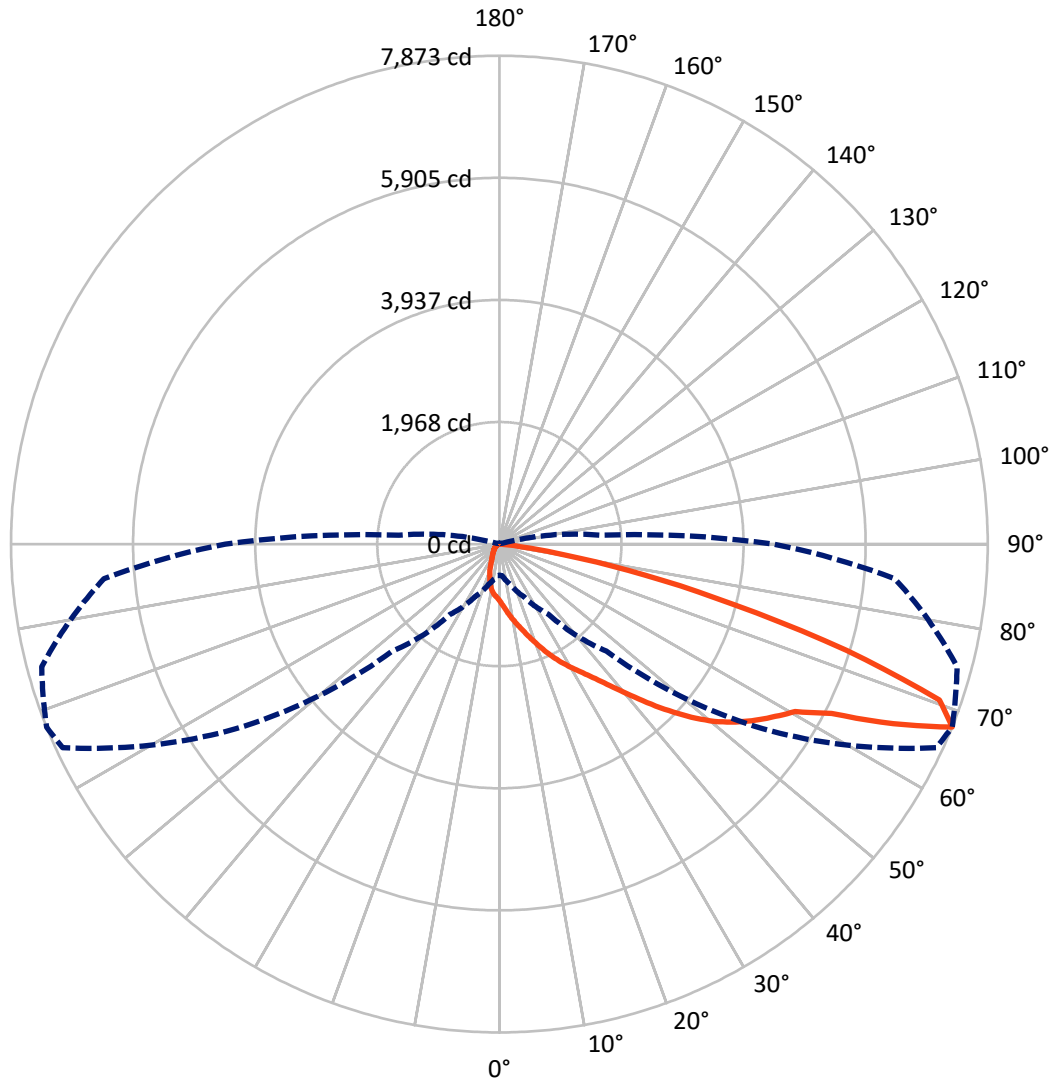
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	567.6	0.0	567.6
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	7293.0	0.0	7293.0
	% Fixture	92.8	0.0	92.8
Total	Lumens	7860.6	0.0	7860.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	1.1
10°-20°	256.2	3.3
20°-30°	440.3	5.6
30°-40°	765.5	9.7
40°-50°	1335.7	17.0
50°-60°	2014.6	25.6
60°-70°	2020.1	25.7
70°-80°	891.3	11.3
80°-90°	47.6	0.6
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°	7860.6	100.0
0°-180°	7860.6	100.0

Coefficient of Utilization



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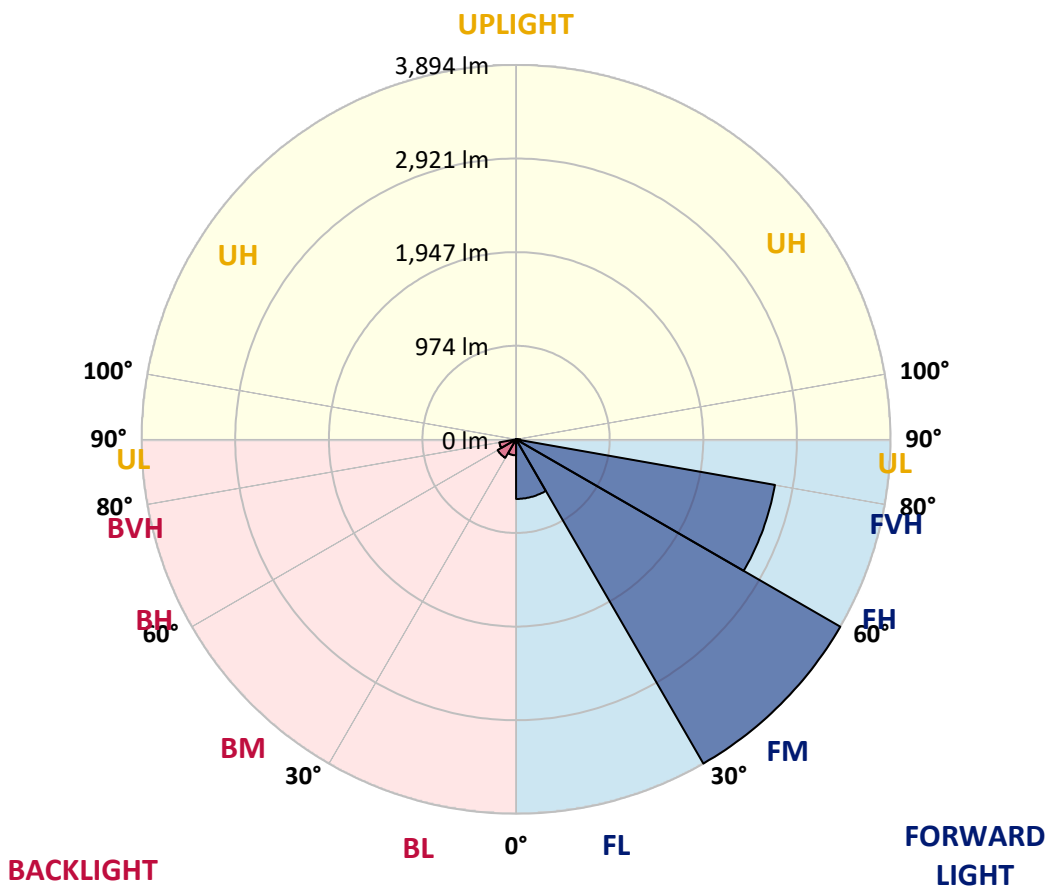
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	619.7	7.9			
FM (30°-60°)	3894.1	49.5			
FH (60°-80°)	2734.3	34.8			G2/5000
FVH (80°-90°)	44.9	0.6			G1/100
BL (0°-30°)	166.1	2.1	B1/500		
BM (30°-60°)	221.7	2.8	B1/1000		
BH (60°-80°)	177.1	2.3	B1/500		G1/500
BVH (80°-90°)	2.7	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8
2.5°	1065.2	1072.0	1065.2	1066.7	1047.2	1038.1	1018.6	991.5	984.7	967.4	941.1
5°	1195.4	1201.4	1194.6	1193.1	1170.5	1154.0	1121.7	1075.0	1061.5	1027.6	975.7
7.5°	1266.1	1269.9	1272.1	1275.9	1267.6	1254.1	1224.7	1166.8	1152.5	1097.6	1024.6
10°	1273.6	1276.6	1287.9	1310.5	1327.0	1335.3	1318.7	1265.3	1242.8	1189.4	1084.8
12.5°	1252.5	1257.1	1275.1	1312.7	1358.6	1400.7	1411.3	1364.6	1344.3	1275.9	1155.5
15°	1224.7	1228.5	1253.3	1304.5	1373.7	1451.2	1494.8	1474.5	1451.9	1380.4	1233.7
17.5°	1181.8	1187.1	1221.7	1290.9	1380.4	1491.0	1585.1	1591.8	1576.0	1498.5	1320.3
20°	1157.8	1161.5	1192.4	1263.8	1375.9	1520.4	1669.3	1733.3	1716.0	1634.7	1419.6
22.5°	1178.1	1181.1	1201.4	1257.1	1360.9	1536.9	1747.5	1874.7	1864.9	1780.6	1524.1
25°	1284.9	1294.7	1282.6	1292.4	1367.6	1545.9	1810.7	2016.1	2018.4	1933.4	1632.5
27.5°	1501.6	1488.8	1460.2	1411.3	1420.3	1570.0	1864.9	2149.3	2168.8	2082.3	1728.7
30°	1722.0	1714.4	1697.1	1621.2	1558.0	1623.4	1910.8	2285.4	2316.3	2229.0	1814.5
32.5°	1969.5	1977.0	1946.2	1855.1	1747.5	1731.8	1958.2	2414.8	2472.7	2395.3	1915.3
35°	2265.1	2267.4	2206.4	2105.6	1983.8	1910.8	2043.2	2557.8	2664.6	2607.4	2050.0
37.5°	2553.2	2566.8	2533.7	2375.0	2266.6	2133.5	2183.9	2741.3	2891.8	2869.2	2219.2
40°	2808.3	2829.3	2818.8	2665.3	2523.2	2411.1	2402.0	2956.5	3166.4	3191.9	2442.7
42.5°	3011.4	3024.9	3033.2	2924.1	2798.5	2735.3	2671.4	3206.2	3490.6	3595.2	2716.5
45°	3225.8	3230.3	3247.6	3173.9	3064.0	3069.3	2989.6	3509.4	3832.1	4042.0	3030.9
47.5°	3498.9	3513.9	3505.6	3428.1	3328.8	3388.3	3318.3	3821.6	4169.1	4519.0	3352.9
50°	3831.4	3847.2	3839.6	3749.4	3638.8	3663.6	3620.0	4124.8	4494.1	4968.8	3620.7
52.5°	4002.9	4015.7	4109.0	4149.6	4091.7	3933.7	3877.3	4458.0	4768.7	5338.9	3866.7
55°	3920.1	3929.2	4132.3	4303.8	4515.9	4358.0	4136.0	4715.3	5010.9	5627.8	4049.5
57.5°	3577.1	3626.0	3902.1	4192.5	4638.6	4777.0	4555.8	4995.1	5244.2	5828.7	4229.3
60°	2873.7	2871.5	3267.2	3788.5	4399.3	4892.1	5148.6	5373.5	5478.1	5982.9	4470.1
62.5°	1588.1	1602.4	2129.0	2815.8	3734.3	4594.2	5593.2	6027.3	6011.5	6252.2	4846.9
65°	790.6	819.2	1105.1	1612.9	2484.8	3796.8	5669.9	7024.8	6979.7	6886.4	5625.6
67.5°	501.8	513.1	671.0	937.3	1381.2	2440.4	5192.2	7768.8	7873.4	7638.7	6398.2
70°	325.0	343.8	466.4	640.9	833.5	1257.8	3803.5	7286.6	7526.6	7555.9	5916.7
72.5°	176.8	190.3	297.9	457.4	601.8	628.9	2136.5	5468.3	5854.3	6409.4	4628.8
75°	100.8	110.6	163.2	310.7	441.6	382.9	947.1	3660.6	3906.6	4580.6	3316.8
77.5°	60.9	69.2	91.8	151.2	276.8	255.8	358.1	2228.3	2384.7	2733.0	1740.8
80°	27.8	33.1	57.9	83.5	151.2	121.1	136.9	1038.9	1072.8	1121.7	576.2
82.5°	12.8	15.0	26.3	49.7	85.8	70.0	52.7	240.0	337.8	319.7	146.7
85°	1.5	1.5	9.8	20.3	24.1	18.1	21.8	54.2	68.5	96.3	42.1
87.5°	0.0	0.0	0.8	0.8	1.5	2.3	4.5	6.8	9.8	15.8	10.5
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°	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8
2.5°	929.1	908.0	889.2	861.4	842.6	821.5	807.2	789.9	783.1	777.9	770.3
5°	950.1	916.3	870.4	819.2	777.1	737.2	700.4	676.3	655.2	652.2	641.7
7.5°	984.7	934.3	856.8	773.3	701.9	635.7	583.8	541.6	520.6	513.8	501.8
10°	1030.6	961.4	836.5	708.6	605.6	526.6	467.9	420.5	387.4	375.4	366.4
12.5°	1081.8	986.2	804.2	628.9	511.6	421.3	346.8	296.4	275.3	267.8	261.0
15°	1140.5	1009.6	753.0	549.2	419.8	309.9	257.3	235.5	226.4	224.2	221.9
17.5°	1196.9	1024.6	692.1	466.4	322.7	240.7	215.9	207.6	205.4	203.1	201.6
20°	1260.8	1035.1	620.6	388.2	250.5	203.9	191.8	185.8	181.3	176.8	176.0
22.5°	1326.3	1035.1	543.1	311.4	209.9	182.8	169.3	158.0	149.7	145.2	143.7
25°	1388.7	1020.8	466.4	249.0	185.1	162.5	145.2	132.4	121.1	115.9	114.3
27.5°	1433.1	984.0	399.5	210.6	167.8	144.4	123.4	109.1	100.1	94.8	94.0
30°	1460.9	929.1	337.8	188.1	152.7	125.6	104.6	92.5	85.8	82.0	80.5
32.5°	1482.0	861.4	282.9	172.3	138.4	109.1	91.0	81.2	75.2	72.2	71.5
35°	1524.1	797.4	242.2	158.0	123.4	95.5	79.7	72.2	67.7	63.9	63.2
37.5°	1582.8	744.0	209.9	145.2	109.1	85.0	72.2	65.4	61.7	57.9	57.2
40°	1669.3	710.2	185.8	132.4	96.3	76.7	66.2	60.2	54.9	51.2	50.4
42.5°	1802.5	694.4	170.0	119.6	85.0	69.2	60.9	53.4	48.1	44.4	43.6
45°	1961.2	702.6	156.5	106.8	77.5	63.9	54.2	46.6	41.4	37.6	36.9
47.5°	2131.2	732.0	145.2	94.8	70.0	58.7	48.1	39.9	35.4	31.6	30.8
50°	2308.8	780.1	135.4	83.5	63.9	52.7	41.4	34.6	30.1	27.1	26.3
52.5°	2463.0	845.6	125.6	75.2	58.7	46.6	36.1	30.1	25.6	22.6	21.8
55°	2610.4	907.3	118.1	67.7	52.7	40.6	31.6	25.6	21.8	18.8	18.1
57.5°	2770.7	972.7	109.1	60.9	47.4	36.1	27.8	21.8	18.8	15.8	15.0
60°	3003.9	1069.7	95.5	55.7	41.4	31.6	24.1	19.6	16.6	12.8	12.0
62.5°	3340.1	1246.5	80.5	48.1	35.4	27.1	20.3	16.6	13.5	10.5	9.0
65°	3969.0	1547.4	66.2	39.9	28.6	22.6	17.3	13.5	10.5	7.5	6.8
67.5°	4421.9	1625.7	53.4	32.3	23.3	17.3	14.3	10.5	7.5	5.3	4.5
70°	3866.0	1167.5	41.4	26.3	19.6	13.5	11.3	8.3	5.3	3.8	3.0
72.5°	2912.8	762.8	30.8	20.3	15.0	11.3	8.3	6.8	4.5	3.0	2.3
75°	2053.0	440.8	22.6	15.0	10.5	8.3	6.8	5.3	3.8	2.3	2.3
77.5°	1052.4	182.1	15.8	10.5	7.5	5.3	4.5	3.0	3.0	2.3	1.5
80°	319.7	60.2	9.0	6.8	5.3	3.8	2.3	2.3	2.3	1.5	0.8
82.5°	73.0	19.6	5.3	5.3	3.8	3.0	2.3	0.8	0.8	0.0	0.0
85°	18.8	6.0	4.5	3.8	3.8	3.0	1.5	0.8	0.0	0.0	0.0
87.5°	6.8	3.8	3.8	3.8	3.0	2.3	1.5	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)