

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: P640783

Luminaire Tested: GWS-SA5E-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640783
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-SA5E-750-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22460.5 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

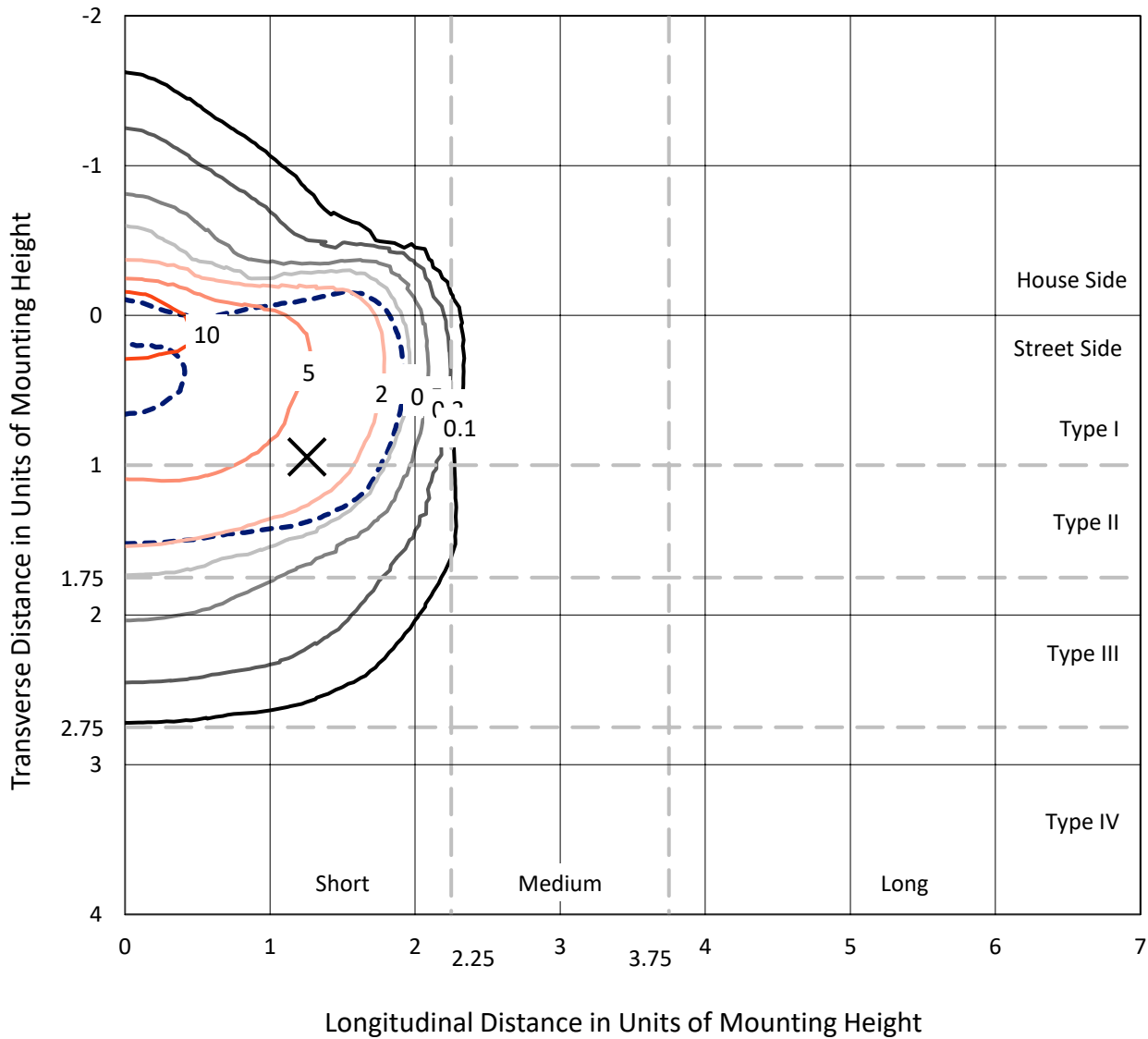
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

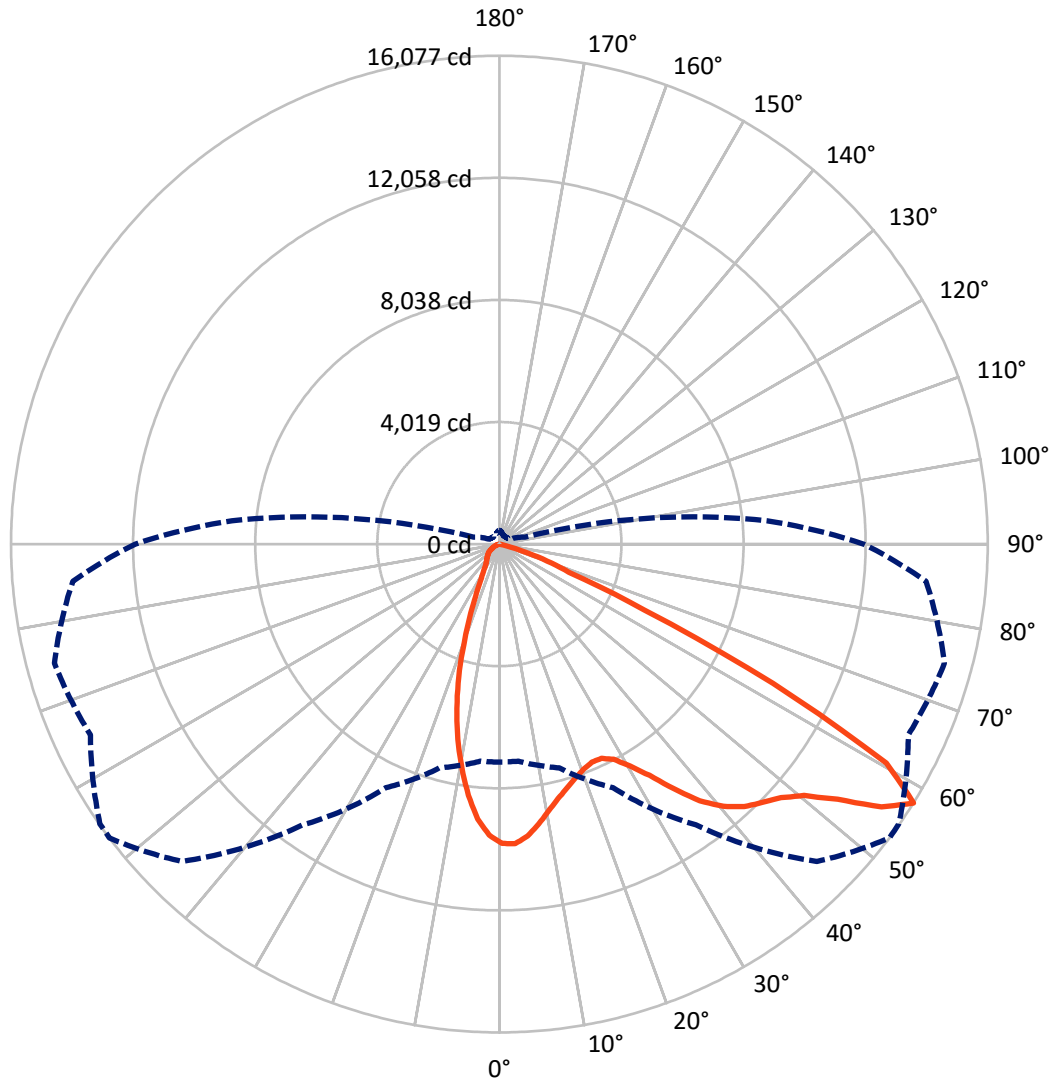
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 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	3710.2	0.0	3710.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	18750.3	0.0	18750.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	22460.5	0.0	22460.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	843.0	3.8
10°-20°	1850.6	8.2
20°-30°	2410.9	10.7
30°-40°	3497.0	15.6
40°-50°	5045.9	22.5
50°-60°	6102.5	27.2
60°-70°	2487.2	11.1
70°-80°	223.5	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°	22460.5	100.0
0°-180°	22460.5	100.0

Coefficient of Utilization



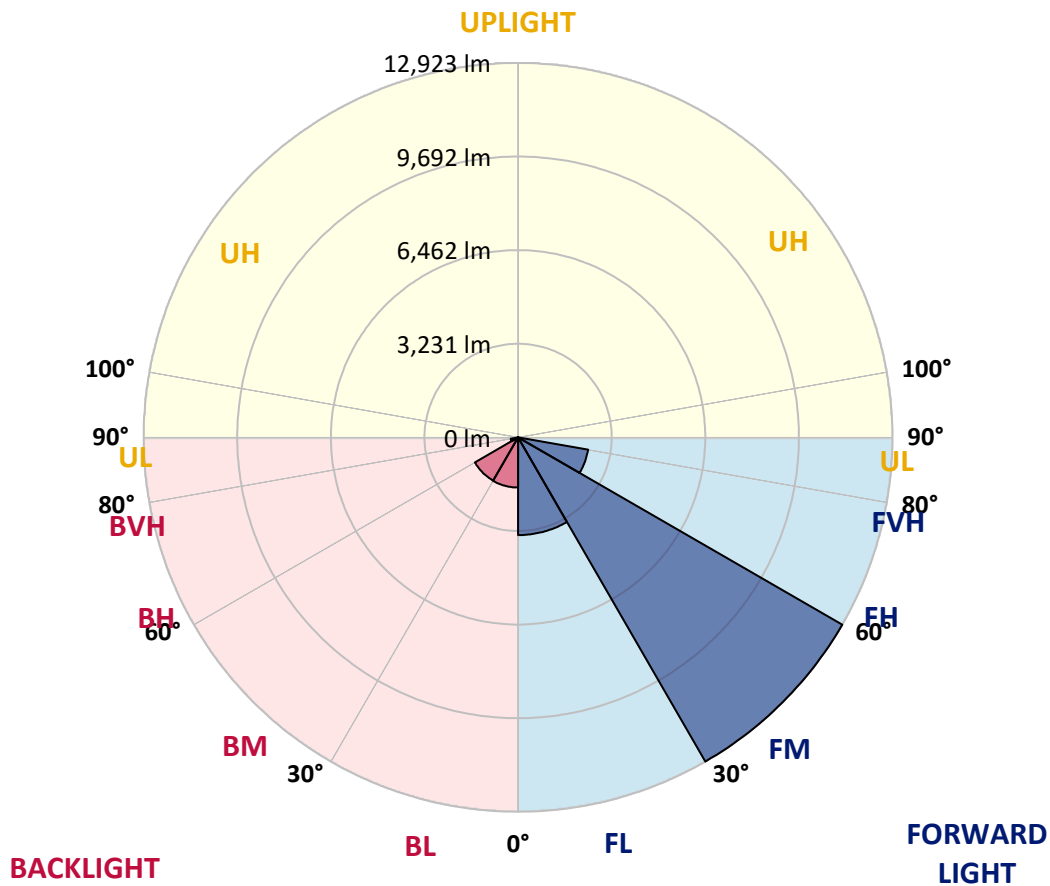
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3372.8	15.0			
FM (30°-60°)	12923.3	57.5			
FH (60°-80°)	2454.2	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1731.6	7.7	B3/2500		
BM (30°-60°)	1722.1	7.7	B2/2500		
BH (60°-80°)	256.5	1.1	B1/500		G1/500
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: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5
2.5°	9714.8	9736.8	9775.4	9824.9	9858.0	9874.5	9874.5	9921.3	9891.0	9866.2	9838.7
5°	9299.1	9321.2	9373.5	9453.3	9533.1	9590.9	9657.0	9706.6	9725.8	9725.8	9679.0
7.5°	8712.8	8743.1	8776.1	8886.2	9059.6	9189.0	9301.9	9373.5	9478.1	9511.1	9445.0
10°	8082.4	8112.7	8187.0	8338.4	8536.6	8729.3	8922.0	9012.8	9191.8	9285.4	9211.0
12.5°	7548.3	7562.1	7661.2	7842.9	8096.1	8360.4	8594.4	8688.0	8941.3	9081.7	8993.6
15°	7107.9	7116.1	7215.2	7416.2	7708.0	8032.8	8327.4	8423.7	8734.8	8946.8	8814.6
17.5°	6774.8	6777.5	6862.9	7080.3	7385.9	7746.5	8096.1	8214.5	8616.4	8872.4	8674.2
20°	6606.8	6598.6	6659.1	6849.1	7138.1	7498.8	7911.7	8057.6	8550.4	8861.4	8566.9
22.5°	6609.6	6590.3	6615.1	6750.0	6995.0	7333.6	7796.1	7961.2	8555.9	8908.2	8476.0
25°	6766.5	6739.0	6744.5	6816.1	6989.5	7297.8	7812.6	7988.8	8666.0	9065.1	8443.0
27.5°	7030.8	7000.5	7000.5	7036.3	7129.9	7410.7	8019.1	8220.0	8960.5	9370.7	8511.8
30°	7372.1	7341.9	7330.8	7366.6	7443.7	7702.5	8478.8	8688.0	9464.3	9871.7	8732.0
32.5°	7763.0	7727.3	7746.5	7796.1	7870.4	8228.3	9070.6	9348.7	10094.7	10546.2	9128.5
35°	8176.0	8145.7	8233.8	8341.1	8456.8	8957.8	9888.2	10130.5	10868.3	11385.8	9734.1
37.5°	8569.6	8555.9	8740.3	8966.0	9205.5	9833.2	10719.6	10906.8	11531.7	12299.7	10474.6
40°	8963.3	8960.5	9277.1	9673.5	10056.2	10705.8	11350.0	11504.2	11936.4	13010.0	11184.8
42.5°	9403.7	9403.7	9841.4	10370.0	10879.3	11443.6	11812.5	11881.3	12118.1	13420.2	11718.9
45°	9824.9	9849.7	10356.2	10970.1	11573.0	12018.9	12131.8	12137.3	12192.4	13662.4	12162.1
47.5°	10158.0	10180.0	10785.7	11493.2	12142.8	12456.7	12473.2	12448.4	12387.8	13893.6	12503.5
50°	10427.8	10460.8	11094.0	11842.8	12533.7	12877.8	13004.5	12979.7	12825.5	14141.4	12742.9
52.5°	10559.9	10606.7	11201.4	12016.2	12968.7	13599.1	13951.5	14009.3	13480.7	14279.0	12971.4
55°	9502.8	9571.7	10119.5	11234.4	13210.9	14714.0	15267.3	15256.3	14190.9	14689.2	13527.5
57.5°	7176.7	7171.2	7625.4	8844.9	11283.9	14777.3	16076.7	16054.6	14854.4	15165.5	14097.4
60°	4886.3	4853.3	4974.4	5563.5	7889.7	12038.2	14631.4	14928.7	14383.6	14009.3	11969.4
62.5°	4021.9	3991.6	3953.1	3790.7	4531.2	7498.8	10108.5	10559.9	10488.4	9736.8	7507.0
65°	3292.4	3317.2	3424.5	3355.7	3152.0	3845.7	5246.9	5514.0	5040.5	4242.1	2623.5
67.5°	2428.0	2439.0	2579.4	2942.8	2832.7	2560.2	2469.3	2513.4	1472.8	677.2	437.7
70°	1434.2	1442.5	1571.9	2059.1	2298.6	1965.5	1668.2	1643.5	583.6	181.7	198.2
72.5°	812.1	795.6	820.3	980.0	1252.5	1043.3	858.9	781.8	176.2	101.9	101.9
75°	385.4	374.4	322.1	302.8	275.3	176.2	110.1	93.6	44.0	41.3	41.3
77.5°	2.8	8.3	5.5	8.3	8.3	5.5	2.8	2.8	8.3	8.3	11.0
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°	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5	9852.5
2.5°	9789.1	9706.6	9687.3	9681.8	9604.7	9522.1	9436.8	9403.7	9354.2	9323.9	9348.7
5°	9604.7	9486.3	9381.7	9285.4	9114.7	8927.5	8765.1	8660.5	8561.4	8495.3	8511.8
7.5°	9343.2	9189.0	8949.5	8704.5	8390.7	8109.9	7796.1	7603.4	7424.4	7325.3	7372.1
10°	9065.1	8861.4	8478.8	8063.1	7570.3	7129.9	6681.2	6315.0	6103.1	5902.1	5924.1
12.5°	8792.6	8522.8	7950.2	7319.8	6697.7	6048.0	5370.8	4864.3	4517.4	4266.9	4228.4
15°	8539.3	8192.5	7435.5	6604.1	5756.2	4891.8	4027.4	3303.4	2901.5	2653.7	2637.2
17.5°	8313.6	7884.2	6901.4	5855.3	4792.7	3686.1	2692.3	2150.0	1918.7	1811.4	1800.4
20°	8096.1	7573.1	6356.3	5095.5	3741.1	2587.7	1858.2	1607.7	1533.3	1489.3	1494.8
22.5°	7886.9	7234.5	5783.7	4253.2	2805.2	1816.9	1439.7	1343.4	1335.1	1340.6	1343.4
25°	7710.7	6923.4	5194.6	3441.1	2001.3	1384.7	1203.0	1175.5	1200.2	1236.0	1241.5
27.5°	7619.9	6670.2	4619.3	2623.5	1448.0	1125.9	1043.3	1054.3	1098.4	1136.9	1142.4
30°	7644.7	6480.2	4024.7	1902.2	1114.9	949.7	922.2	944.2	988.3	1024.1	1029.6
32.5°	7820.9	6383.9	3416.3	1384.7	916.7	828.6	817.6	834.1	872.7	900.2	902.9
35°	8170.5	6405.9	2838.2	1059.8	787.3	737.8	735.0	746.0	765.3	784.6	787.3
37.5°	8685.2	6584.8	2268.3	880.9	713.0	677.2	666.2	666.2	680.0	688.2	693.7
40°	9238.6	6854.6	1816.9	779.1	660.7	622.1	600.1	591.9	602.9	613.9	616.6
42.5°	9695.5	7124.4	1475.5	707.5	619.4	567.1	539.6	534.1	547.8	567.1	572.6
45°	10045.2	7333.6	1230.5	649.7	572.6	514.8	484.5	484.5	509.3	542.3	547.8
47.5°	10364.5	7501.5	1048.8	597.4	528.5	468.0	437.7	443.2	484.5	528.5	536.8
50°	10582.0	7636.4	913.9	550.6	492.8	429.4	401.9	412.9	462.5	514.8	523.0
52.5°	10816.0	7801.6	825.9	509.3	459.7	399.2	374.4	382.6	437.7	495.5	506.5
55°	11462.9	8354.9	823.1	454.2	401.9	357.9	346.9	349.6	404.7	470.7	484.5
57.5°	11991.4	8842.2	878.2	382.6	335.8	313.8	308.3	311.1	360.6	435.0	451.5
60°	9921.3	6871.1	726.8	316.6	280.8	275.3	267.0	272.5	319.3	385.4	399.2
62.5°	5871.8	3928.3	346.9	242.3	239.5	234.0	225.7	236.7	280.8	338.6	346.9
65°	2006.8	1164.5	220.2	198.2	203.7	195.5	187.2	198.2	236.7	269.8	272.5
67.5°	385.4	308.3	176.2	165.2	167.9	151.4	148.7	159.7	181.7	187.2	184.4
70°	201.0	178.9	134.9	134.9	129.4	107.4	107.4	118.4	118.4	110.1	107.4
72.5°	104.6	99.1	88.1	99.1	82.6	66.1	66.1	71.6	66.1	55.1	55.1
75°	41.3	41.3	38.5	49.6	35.8	30.3	27.5	33.0	24.8	19.3	19.3
77.5°	11.0	11.0	11.0	13.8	8.3	8.3	5.5	5.5	2.8	0.0	0.0
80°	0.0	2.8	0.0	2.8	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)