

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: P632810

Luminaire Tested: GWS-SA2D-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-740-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9456.7 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

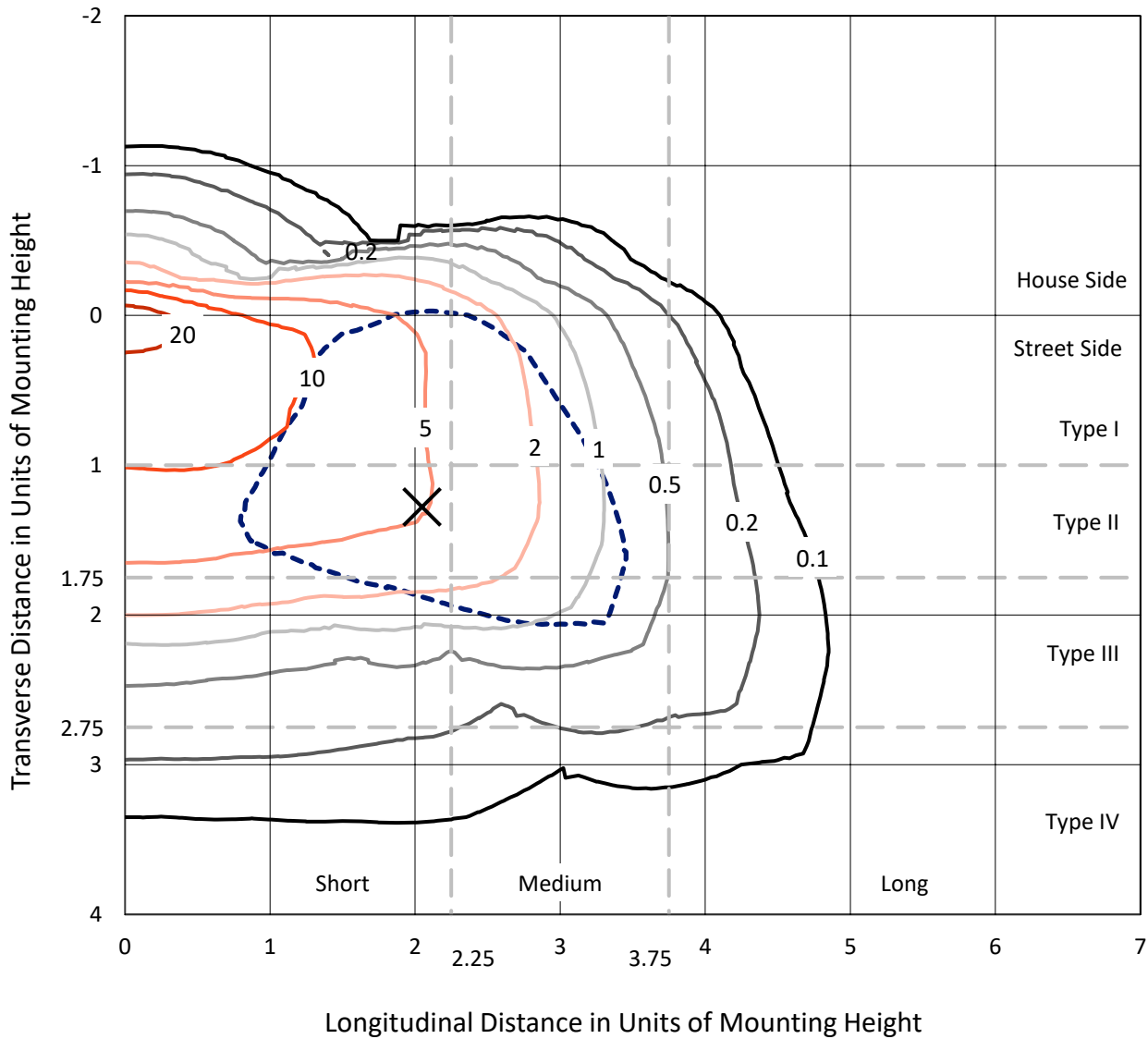
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

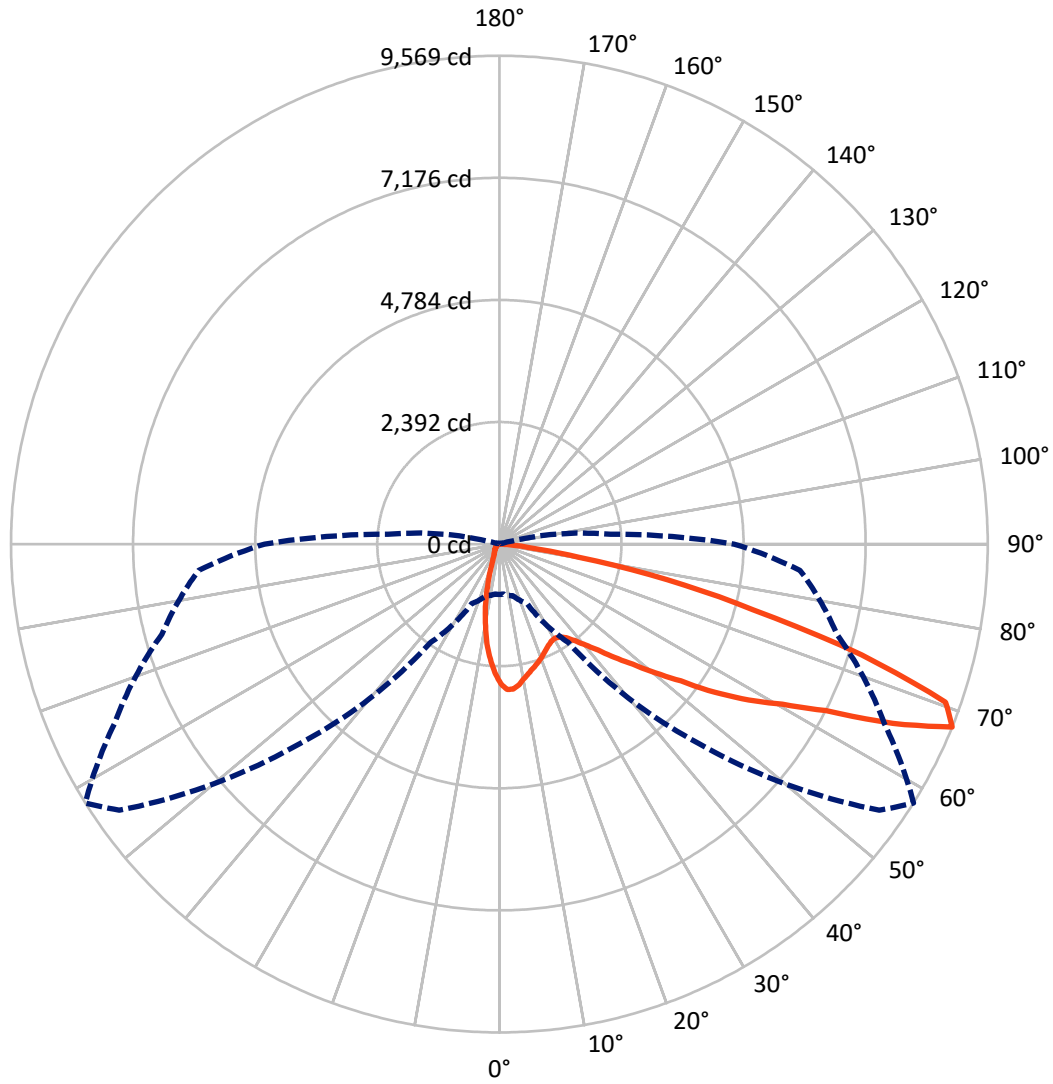
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	923.8	0.0	923.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	8532.8	0.0	8532.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	9456.7	0.0	9456.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.7	2.3
10°-20°	461.4	4.9
20°-30°	622.2	6.6
30°-40°	874.4	9.2
40°-50°	1350.4	14.3
50°-60°	2159.5	22.8
60°-70°	2557.0	27.0
70°-80°	1131.1	12.0
80°-90°	79.1	0.8
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°	9456.7	100.0
0°-180°	9456.7	100.0

Coefficient of Utilization



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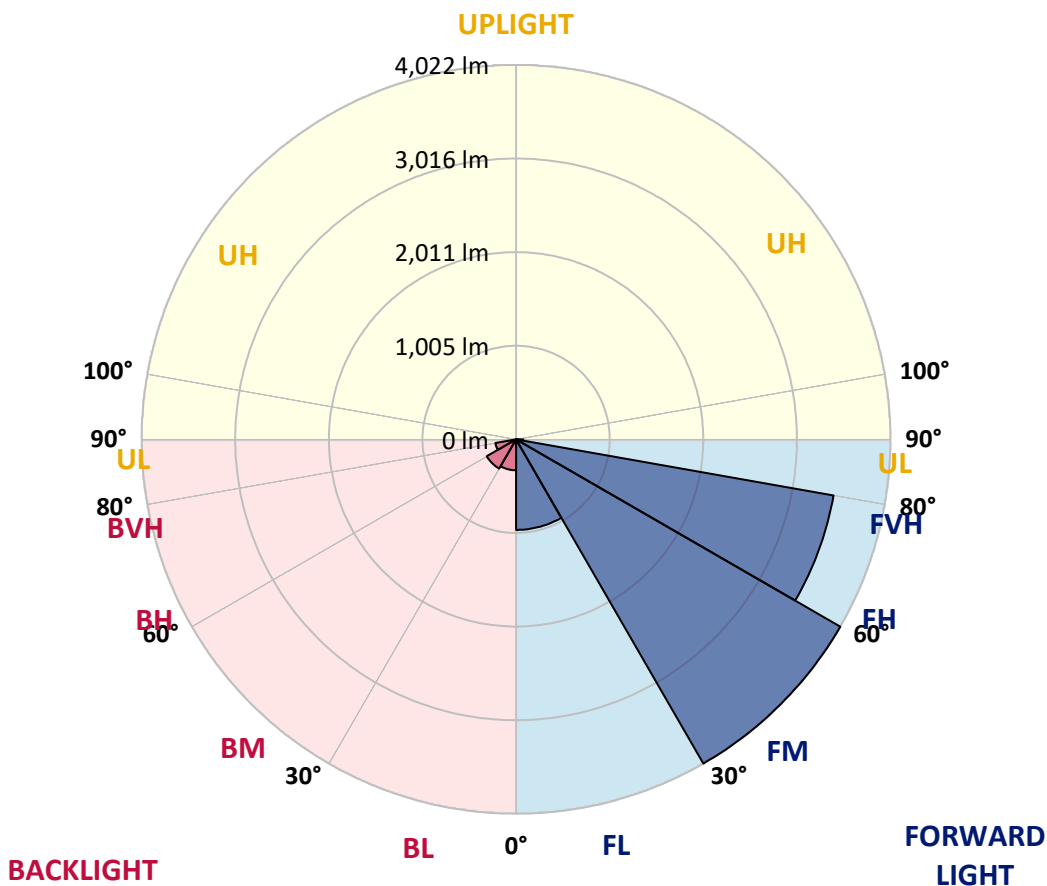
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	972.9	10.3			
FM (30°-60°)	4021.7	42.5			
FH (60°-80°)	3462.5	36.6			G2/5000
FVH (80°-90°)	75.7	0.8			G1/100
BL (0°-30°)	332.5	3.5	B1/500		
BM (30°-60°)	362.5	3.8	B1/1000		
BH (60°-80°)	225.5	2.4	B1/500		G1/500
BVH (80°-90°)	3.4	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8
2.5°	2869.2	2874.2	2880.9	2889.3	2887.6	2880.1	2870.9	2850.0	2836.6	2794.7	2743.7
5°	2777.1	2776.3	2793.0	2808.9	2837.4	2852.5	2873.4	2854.1	2847.4	2797.2	2714.4
7.5°	2597.2	2606.4	2625.6	2650.8	2691.8	2736.1	2786.3	2780.5	2800.6	2767.1	2664.1
10°	2420.6	2415.6	2445.7	2483.4	2546.1	2603.0	2675.9	2675.0	2727.8	2724.4	2607.2
12.5°	2265.7	2264.9	2288.3	2331.0	2404.7	2484.2	2583.0	2585.5	2650.8	2677.5	2558.7
15°	2135.2	2136.8	2159.4	2203.8	2280.0	2377.1	2491.7	2512.6	2586.3	2640.7	2511.0
17.5°	2042.3	2043.1	2056.5	2095.0	2169.5	2273.3	2411.4	2439.8	2534.4	2613.1	2472.5
20°	1999.6	1996.2	1998.7	2018.0	2075.7	2170.3	2329.3	2366.2	2486.7	2593.8	2437.3
22.5°	2005.4	2000.4	1988.7	1986.2	2012.1	2084.1	2242.3	2287.5	2434.8	2582.1	2405.5
25°	2057.3	2046.4	2029.7	2004.6	1994.6	2030.5	2166.1	2213.0	2386.3	2583.0	2381.2
27.5°	2136.8	2125.1	2104.2	2070.7	2031.4	2016.3	2114.2	2158.6	2351.9	2602.2	2369.5
30°	2238.1	2228.9	2208.8	2168.6	2115.9	2054.0	2103.4	2140.2	2335.2	2641.5	2374.5
32.5°	2357.8	2351.1	2334.4	2297.5	2237.3	2142.7	2140.2	2168.6	2348.6	2698.5	2393.8
35°	2473.3	2475.8	2476.7	2456.6	2392.1	2277.5	2241.5	2251.5	2403.8	2783.8	2437.3
37.5°	2598.0	2592.2	2622.3	2636.5	2574.6	2452.4	2398.0	2398.8	2509.3	2910.2	2519.3
40°	2692.6	2694.3	2759.6	2818.2	2792.2	2674.2	2596.3	2595.5	2671.7	3083.5	2651.6
42.5°	2781.3	2792.2	2888.5	2988.9	3024.9	2920.3	2864.2	2843.3	2899.3	3317.8	2850.0
45°	2875.9	2891.8	3026.6	3169.7	3264.3	3202.3	3158.0	3166.3	3173.0	3590.7	3117.0
47.5°	2986.4	2996.4	3163.0	3364.7	3541.3	3525.4	3527.9	3517.9	3514.5	3934.7	3470.2
50°	3120.3	3143.7	3335.4	3576.5	3817.5	3923.0	3958.1	3962.3	3907.9	4309.7	3835.9
52.5°	3404.9	3433.3	3597.4	3808.3	4118.8	4340.6	4483.8	4455.3	4371.6	4672.9	4236.9
55°	3740.5	3762.3	3920.5	4138.9	4487.1	4798.5	5138.3	5126.6	4921.5	5055.4	4566.6
57.5°	3772.3	3796.6	4041.8	4376.6	4960.0	5364.3	5721.7	5759.3	5458.9	5326.6	4861.2
60°	3414.9	3464.3	3799.1	4249.4	5140.8	6125.1	6361.1	6368.7	5853.1	5602.0	5221.2
62.5°	2737.0	2760.4	3097.7	3685.3	4862.1	6568.7	7337.9	7178.9	6359.5	6028.0	5791.1
65°	1434.6	1530.0	1823.8	2474.1	3943.1	6413.9	8513.0	8469.5	7270.1	6638.2	6234.8
67.5°	984.3	983.5	1052.9	1289.8	2351.1	5522.5	9089.7	9568.5	8323.0	6847.4	5913.3
70°	749.1	751.6	813.6	967.6	1217.8	3676.1	8457.0	9275.5	8518.9	6217.2	4782.6
72.5°	497.2	502.2	605.1	781.8	972.6	1802.0	6572.1	7421.6	7168.0	4993.5	3366.4
75°	297.1	301.3	375.0	568.3	864.6	1008.6	4175.8	5130.8	4934.1	3441.7	1804.6
77.5°	122.2	125.5	192.5	354.0	632.8	783.4	2309.3	3357.2	2955.4	1368.5	493.0
80°	51.1	52.7	92.9	247.7	456.2	491.3	1069.7	1577.7	1211.1	294.6	150.7
82.5°	18.4	19.3	34.3	136.4	283.7	370.0	539.9	623.6	341.5	96.3	81.2
85°	0.8	0.8	8.4	46.0	108.0	104.6	308.8	298.8	113.0	40.2	48.5
87.5°	0.0	0.0	0.8	0.8	1.7	4.2	29.3	51.9	24.3	10.0	20.9
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°	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8	2727.8
2.5°	2710.2	2665.8	2617.3	2572.1	2500.1	2457.4	2404.7	2381.2	2347.8	2339.4	2344.4
5°	2654.9	2578.8	2462.4	2357.0	2220.5	2110.9	2000.4	1953.5	1893.3	1853.1	1836.4
7.5°	2577.1	2477.5	2295.9	2104.2	1916.7	1716.7	1564.3	1463.9	1372.7	1322.4	1312.4
10°	2498.4	2368.7	2108.4	1833.8	1543.4	1304.0	1098.1	945.8	821.9	765.8	722.3
12.5°	2417.2	2255.7	1917.5	1559.3	1222.0	895.6	641.1	493.0	404.3	369.1	375.0
15°	2342.7	2146.9	1728.4	1284.8	860.4	540.7	354.0	298.8	277.9	271.2	270.3
17.5°	2271.6	2043.9	1540.1	1017.8	567.5	331.4	271.2	257.8	251.9	248.6	248.6
20°	2207.1	1945.2	1355.9	766.7	366.6	262.8	245.2	238.5	233.5	231.0	231.0
22.5°	2146.9	1849.8	1176.0	542.4	270.3	236.0	225.2	218.5	212.6	209.2	209.2
25°	2092.5	1763.5	1004.4	373.3	232.7	215.9	204.2	196.7	186.6	180.8	180.8
27.5°	2053.1	1686.5	839.5	272.0	210.1	194.2	180.8	170.7	159.9	153.2	151.5
30°	2029.7	1621.3	672.9	223.5	189.2	173.3	158.2	145.6	133.1	126.4	125.5
32.5°	2016.3	1561.0	520.6	195.0	171.6	153.2	136.4	123.0	110.5	102.9	102.1
35°	2021.3	1514.1	390.0	175.8	154.8	135.6	117.2	103.8	92.9	86.2	84.5
37.5°	2064.9	1493.2	292.9	160.7	140.6	120.5	101.3	88.7	78.7	73.7	72.8
40°	2149.4	1497.4	230.2	149.0	128.9	105.5	87.0	75.3	67.8	63.6	62.8
42.5°	2280.8	1532.5	190.0	138.9	116.3	92.1	75.3	66.1	58.6	54.4	53.6
45°	2476.7	1605.4	165.7	127.2	102.9	79.5	65.3	56.9	50.2	45.2	44.4
47.5°	2760.4	1731.7	149.8	116.3	91.2	68.6	56.1	47.7	41.8	37.7	36.8
50°	3062.6	1883.2	136.4	105.5	81.2	59.4	47.7	39.3	34.3	30.1	29.3
52.5°	3384.8	2046.4	126.4	95.4	72.0	51.1	40.2	32.6	27.6	23.4	22.6
55°	3694.5	2210.5	114.7	88.7	61.1	43.5	33.5	26.8	21.8	18.4	18.4
57.5°	3995.8	2361.2	102.1	77.8	50.2	36.8	27.6	21.8	17.6	15.1	14.2
60°	4355.7	2569.6	87.9	66.1	41.8	31.0	22.6	17.6	14.2	11.7	11.7
62.5°	4890.5	2786.3	75.3	55.2	35.2	25.9	18.4	14.2	11.7	10.0	9.2
65°	5065.5	2669.2	63.6	45.2	28.5	20.9	15.1	12.6	10.0	9.2	8.4
67.5°	4598.4	2187.9	52.7	36.8	23.4	17.6	13.4	10.9	9.2	8.4	7.5
70°	3588.2	1552.6	41.0	27.6	19.3	14.2	11.7	10.0	8.4	7.5	7.5
72.5°	2440.7	918.2	32.6	20.9	15.9	12.6	10.0	9.2	8.4	7.5	6.7
75°	1201.9	326.4	25.1	15.9	12.6	10.9	9.2	8.4	7.5	6.7	6.7
77.5°	323.9	90.4	19.3	12.6	10.0	8.4	8.4	8.4	7.5	5.9	5.9
80°	109.6	37.7	14.2	9.2	8.4	6.7	5.9	7.5	6.7	5.9	5.0
82.5°	60.3	18.4	10.0	7.5	5.9	5.0	5.0	5.0	5.0	4.2	4.2
85°	38.5	10.0	6.7	5.9	5.9	4.2	3.3	3.3	2.5	2.5	2.5
87.5°	17.6	5.9	5.9	5.0	5.0	4.2	2.5	1.7	0.8	0.8	0.8
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)