

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526601

Luminaire Tested: **GALN-SA1C-740-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-740-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4196 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

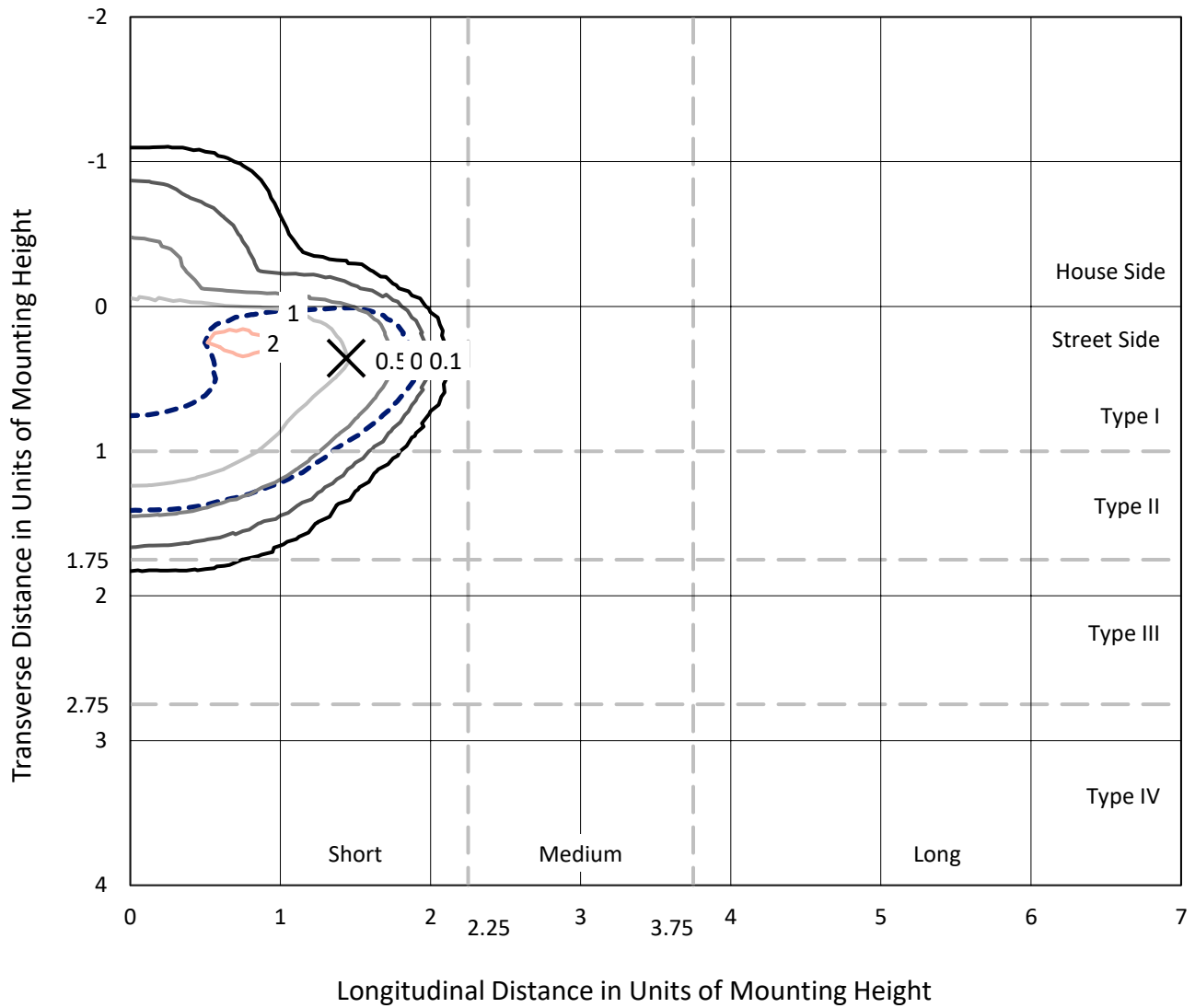
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

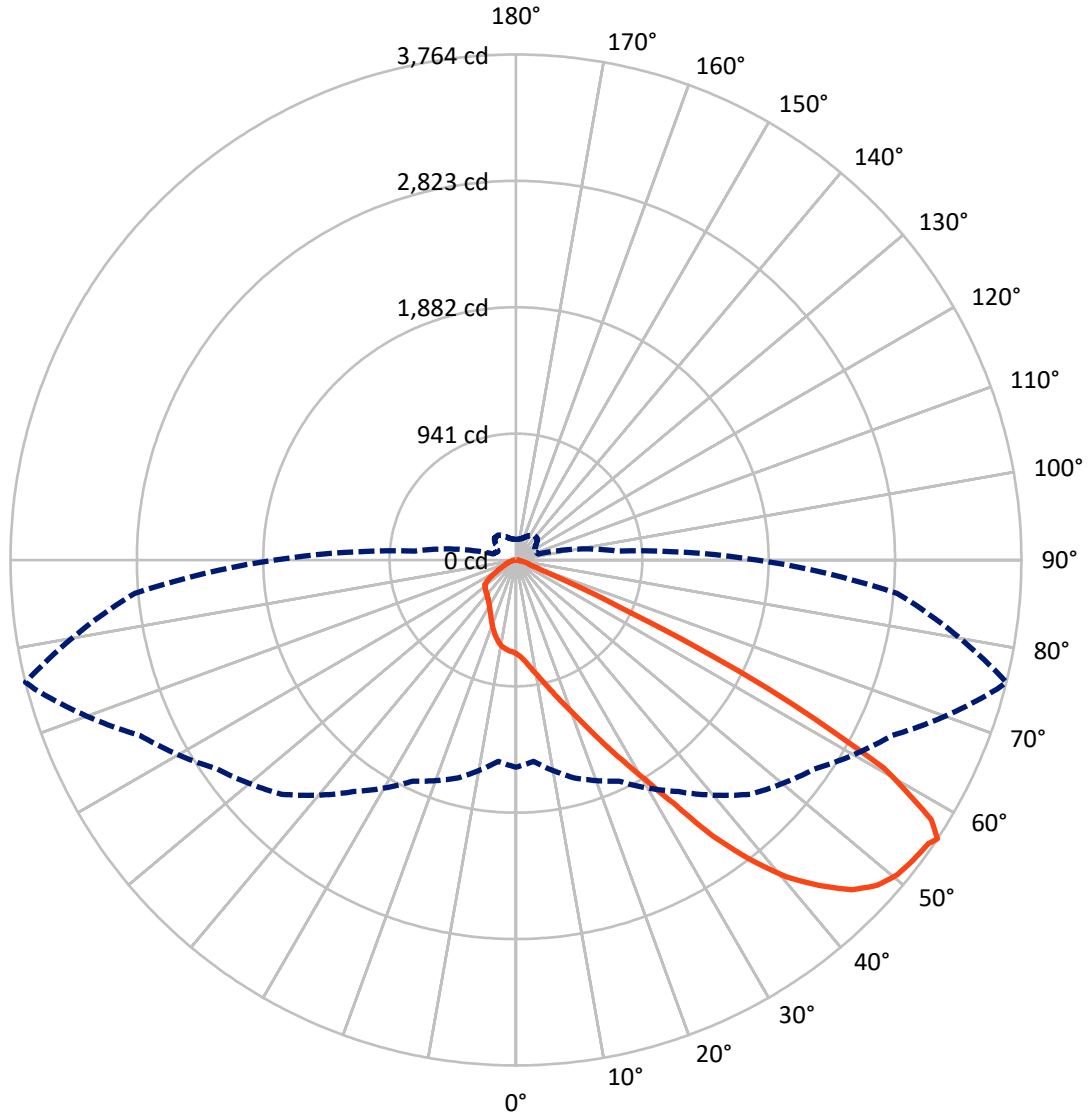
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	659.2	0.0	659.2
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	3536.8	0.0	3536.8
	% Fixture	84.3	0.0	84.3
Total	Lumens	4196.0	0.0	4196.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	1.7
10°-20°	226.0	5.4
20°-30°	409.9	9.8
30°-40°	706.8	16.8
40°-50°	1148.2	27.4
50°-60°	1210.3	28.8
60°-70°	369.8	8.8
70°-80°	47.4	1.1
80°-90°	7.2	0.2
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°	4196.0	100.0
0°-180°	4196.0	100.0

Coefficient of Utilization

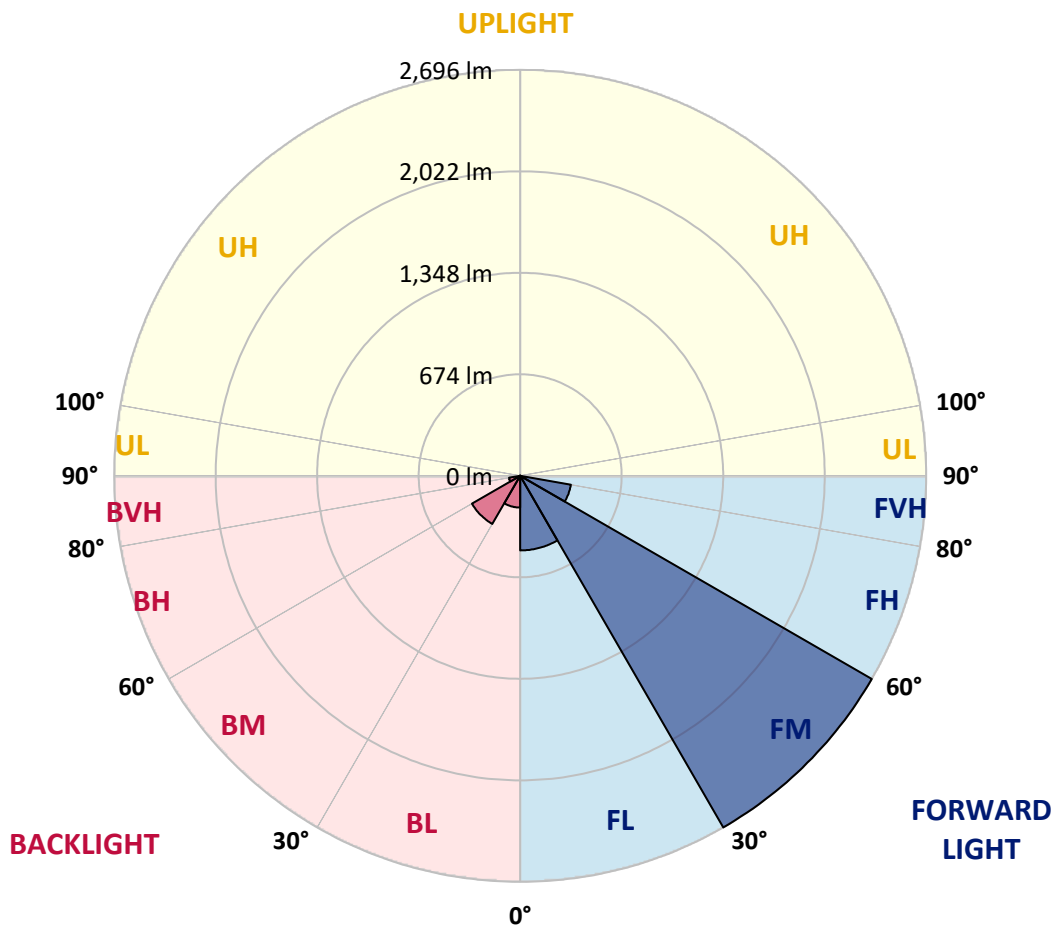


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	495.4	11.8			
FM (30°-60°)	2695.9	64.3			
FH (60°-80°)	342.0	8.2			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	210.9	5.0	B1/500		
BM (30°-60°)	369.4	8.8	B1/1000		
BH (60°-80°)	75.2	1.8	B0/110		G0/110
BVH (80°-90°)	3.7	0.1			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°	55°	65°	75°	76°	85°
0°	698.4	698.4	698.4	698.4	698.4	698.4	698.4	698.4	698.4	698.4	698.4
2.5°	804.4	785.8	786.6	785.1	782.7	774.2	748.7	744.8	727.8	723.2	707.7
5°	901.1	884.8	894.1	880.2	867.0	859.3	817.5	798.2	771.1	761.1	739.4
7.5°	961.4	953.7	950.6	951.4	939.0	919.6	901.1	858.5	822.2	814.4	768.8
10°	990.8	986.2	990.8	988.5	993.9	996.2	963.7	938.2	884.8	871.7	800.5
12.5°	997.8	1007.0	1010.9	1021.0	1034.1	1056.5	1054.2	1019.4	948.3	939.7	849.3
15°	1014.8	1022.5	1018.6	1034.9	1059.6	1097.5	1117.6	1112.2	1035.7	1020.2	905.7
17.5°	1030.2	1016.3	1029.5	1062.0	1086.7	1144.7	1193.4	1215.9	1130.8	1113.0	957.5
20°	1051.1	1047.3	1044.9	1061.2	1105.3	1182.6	1279.3	1320.3	1237.5	1219.0	1031.8
22.5°	1114.5	1115.3	1113.8	1089.8	1121.5	1208.9	1354.3	1455.6	1365.1	1349.7	1116.1
25°	1198.1	1188.0	1180.3	1161.0	1157.1	1232.9	1430.1	1621.2	1518.3	1507.5	1207.4
27.5°	1286.3	1286.3	1263.1	1245.3	1220.5	1292.4	1499.7	1782.0	1703.1	1688.5	1287.0
30°	1382.2	1387.6	1384.5	1346.6	1331.1	1357.4	1570.9	1987.8	1915.1	1896.5	1418.5
32.5°	1523.7	1512.1	1525.3	1493.5	1447.9	1471.1	1683.0	2171.9	2190.4	2164.1	1591.0
35°	1710.9	1703.9	1695.4	1643.6	1589.5	1608.0	1841.6	2398.5	2536.2	2523.0	1765.0
37.5°	1878.7	1874.9	1867.9	1832.3	1769.7	1792.1	2021.8	2634.4	2873.4	2830.1	2011.0
40°	2055.1	2076.0	2053.5	2021.8	1964.6	2014.1	2233.7	2774.4	3157.2	3104.7	2198.9
42.5°	2294.1	2277.8	2287.9	2229.9	2198.9	2253.1	2446.4	2914.4	3377.7	3315.0	2398.5
45°	2548.5	2549.3	2522.2	2503.7	2423.2	2482.0	2577.2	2991.7	3553.3	3504.5	2549.3
47.5°	2711.7	2711.0	2740.4	2769.7	2687.0	2629.0	2666.1	3065.2	3643.7	3621.3	2604.2
50°	2686.2	2693.9	2731.8	2841.7	2885.0	2806.9	2749.6	3043.5	3684.7	3682.4	2651.4
52.5°	2336.6	2362.1	2425.6	2584.1	2802.2	2898.9	2837.0	3083.8	3704.9	3708.7	2721.8
55°	1778.9	1792.9	1913.5	2106.1	2347.4	2678.5	2802.2	3115.5	3720.3	3727.3	2806.9
56°	1543.0	1505.9	1679.9	1816.8	2105.3	2467.3	2714.1	3090.7	3711.0	3764.4	2849.4
57.5°	1164.8	1140.1	1280.8	1451.8	1729.4	2111.5	2440.3	2973.9	3648.4	3647.6	2788.3
60°	708.5	683.7	792.0	892.6	1048.0	1300.2	1649.0	2368.3	3084.5	3149.5	2257.7
62.5°	421.5	437.0	543.7	604.8	655.1	681.4	853.1	1407.7	2058.2	2104.6	1400.7
65°	280.8	286.2	366.6	467.2	489.6	389.8	347.3	570.0	892.6	864.0	577.8
67.5°	173.3	185.6	246.0	351.1	389.0	284.6	164.7	212.7	246.0	246.0	167.1
70°	105.2	111.4	164.0	239.0	266.8	183.3	119.9	119.9	118.3	116.0	99.8
72.5°	50.3	54.1	83.5	123.0	125.3	96.7	92.8	101.3	99.0	98.2	82.8
75°	21.7	23.2	29.4	38.7	44.1	41.0	56.5	72.7	75.0	72.7	59.6
77.5°	7.0	7.7	10.8	13.9	14.7	17.8	24.0	30.2	34.8	32.5	29.4
80°	0.8	1.5	3.1	7.0	10.8	13.9	17.8	20.1	22.4	22.4	20.9
82.5°	0.8	0.8	3.1	6.2	10.1	13.1	17.0	19.3	22.4	23.2	21.7
85°	0.0	0.8	2.3	5.4	8.5	8.5	7.7	7.7	5.4	5.4	5.4
87.5°	0.0	0.0	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5
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°	698.4	698.4	698.4	698.4	698.4	698.4	698.4	698.4	698.4	698.4	698.4
2.5°	704.6	703.1	682.2	669.0	662.1	648.2	639.6	633.5	628.8	623.4	624.2
5°	713.9	708.5	673.7	649.7	621.1	605.6	592.5	581.6	574.7	573.1	570.0
7.5°	740.2	711.6	659.0	615.7	579.3	563.8	552.2	545.3	548.4	541.4	546.8
10°	760.3	717.8	641.2	578.5	542.2	530.6	524.4	529.8	537.6	534.5	530.6
12.5°	785.1	724.0	612.6	543.0	508.9	500.4	511.3	521.3	536.8	543.0	535.2
15°	812.9	730.9	576.2	502.0	480.3	487.3	505.8	523.6	539.1	546.8	551.5
17.5°	846.9	728.6	540.6	469.5	453.2	473.4	495.8	512.0	535.2	546.8	543.7
20°	878.6	720.9	501.2	437.0	437.8	456.3	474.9	501.2	513.6	529.0	523.6
22.5°	908.8	706.9	460.2	414.6	414.6	443.2	452.5	469.5	480.3	488.1	487.3
25°	951.4	680.6	426.2	392.9	402.2	420.8	428.5	433.9	429.3	435.5	436.2
27.5°	981.5	653.6	398.3	373.6	390.6	404.5	402.2	399.1	388.3	379.8	385.2
30°	1014.0	621.9	374.4	360.4	369.7	382.1	372.8	363.5	346.5	332.6	333.4
32.5°	1060.4	607.2	353.5	345.0	357.3	358.9	348.8	334.9	317.9	304.7	304.0
35°	1147.0	597.9	335.7	334.9	337.2	338.0	327.9	310.9	304.0	293.1	297.0
37.5°	1233.7	593.2	323.3	320.2	319.4	320.2	308.6	292.4	305.5	304.7	306.3
40°	1344.3	614.1	305.5	301.6	302.4	302.4	287.7	283.1	306.3	308.6	309.4
42.5°	1456.4	640.4	293.9	281.5	284.6	284.6	276.9	271.5	287.7	272.3	269.9
45°	1553.9	679.1	281.5	261.4	269.2	273.0	270.7	261.4	251.4	225.1	225.1
47.5°	1585.6	713.1	266.8	242.1	248.3	265.3	258.3	239.0	221.2	199.6	198.0
50°	1641.3	750.3	255.2	219.7	232.8	253.7	246.7	227.4	207.3	191.8	192.6
52.5°	1698.5	792.8	233.6	193.4	209.6	244.4	244.4	222.8	191.8	181.0	179.4
55°	1784.4	791.2	194.9	158.6	187.2	230.5	234.4	199.6	171.7	163.2	163.2
56°	1796.7	755.7	175.6	148.5	177.1	226.6	227.4	193.4	164.0	154.7	154.7
57.5°	1703.9	682.2	153.9	136.1	164.7	219.7	220.4	187.9	157.8	144.6	143.1
60°	1311.0	461.8	128.4	121.4	149.3	198.0	201.9	170.9	138.4	128.4	127.6
62.5°	740.2	256.0	112.9	109.8	128.4	168.6	180.2	149.3	117.6	112.2	113.7
65°	338.0	140.8	95.1	88.9	103.6	129.9	145.4	123.0	96.7	90.5	90.5
67.5°	123.8	95.9	81.2	70.4	72.7	84.3	94.4	79.7	64.2	54.9	57.2
70°	88.2	80.4	71.2	61.1	56.5	54.9	54.1	44.9	31.7	24.8	26.3
72.5°	71.2	66.5	59.6	51.8	44.1	37.1	31.7	23.2	14.7	10.1	9.3
75°	51.0	48.7	43.3	37.1	30.9	26.3	21.7	14.7	7.7	3.9	3.9
77.5°	26.3	26.3	25.5	23.2	19.3	15.5	12.4	8.5	4.6	1.5	1.5
80°	20.1	21.7	22.4	20.1	17.8	13.9	10.1	6.2	3.1	0.8	0.8
82.5°	19.3	22.4	24.0	20.9	17.8	13.1	10.1	6.2	3.1	0.8	0.8
85°	4.6	4.6	7.0	7.7	10.1	10.8	8.5	5.4	2.3	0.8	0.8
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	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)