

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: P526085

Luminaire Tested: **GALN-SA1A-730-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-730-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2517 lumens
Efficiency: N/A
Efficacy: 76.3 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

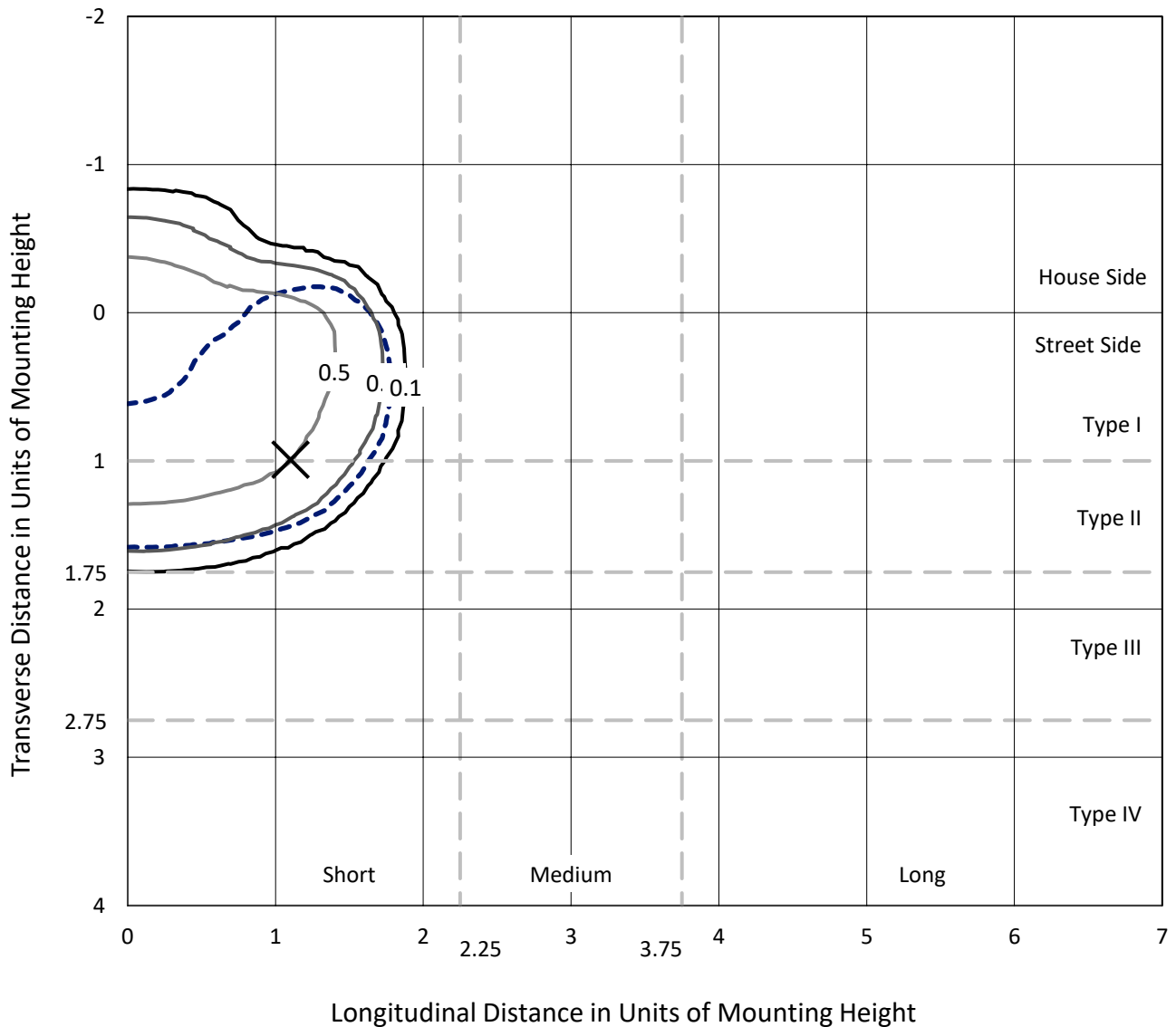
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

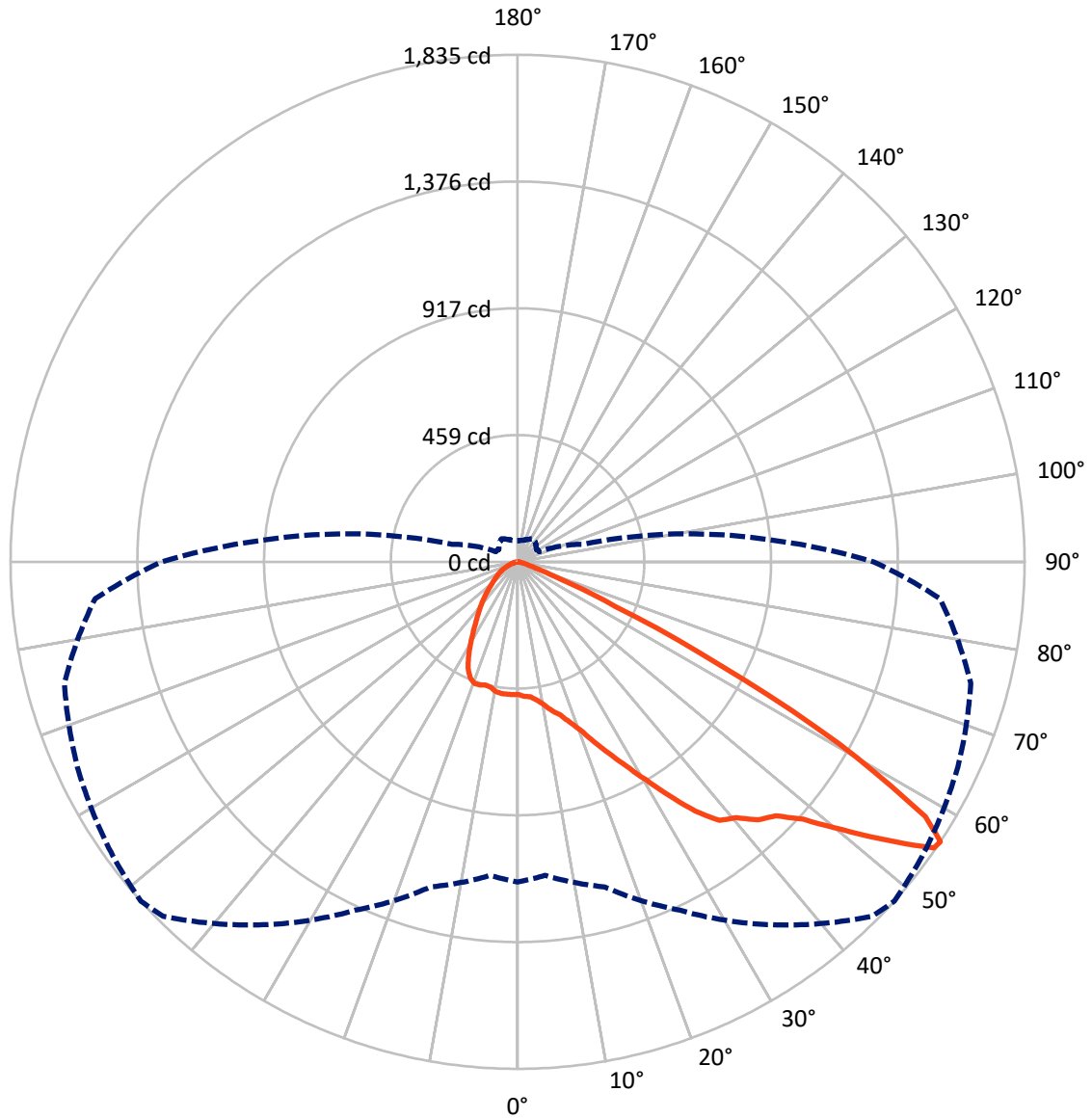
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.4	0.0	547.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1969.6	0.0	1969.6
	% Fixture	78.3	0.0	78.3
Total	Lumens	2517.0	0.0	2517.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	1.9
10°-20°	149.7	5.9
20°-30°	271.5	10.8
30°-40°	426.4	16.9
40°-50°	622.0	24.7
50°-60°	749.4	29.8
60°-70°	219.4	8.7
70°-80°	27.8	1.1
80°-90°	3.9	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°	2517.0	100.0
0°-180°	2517.0	100.0

Coefficient of Utilization

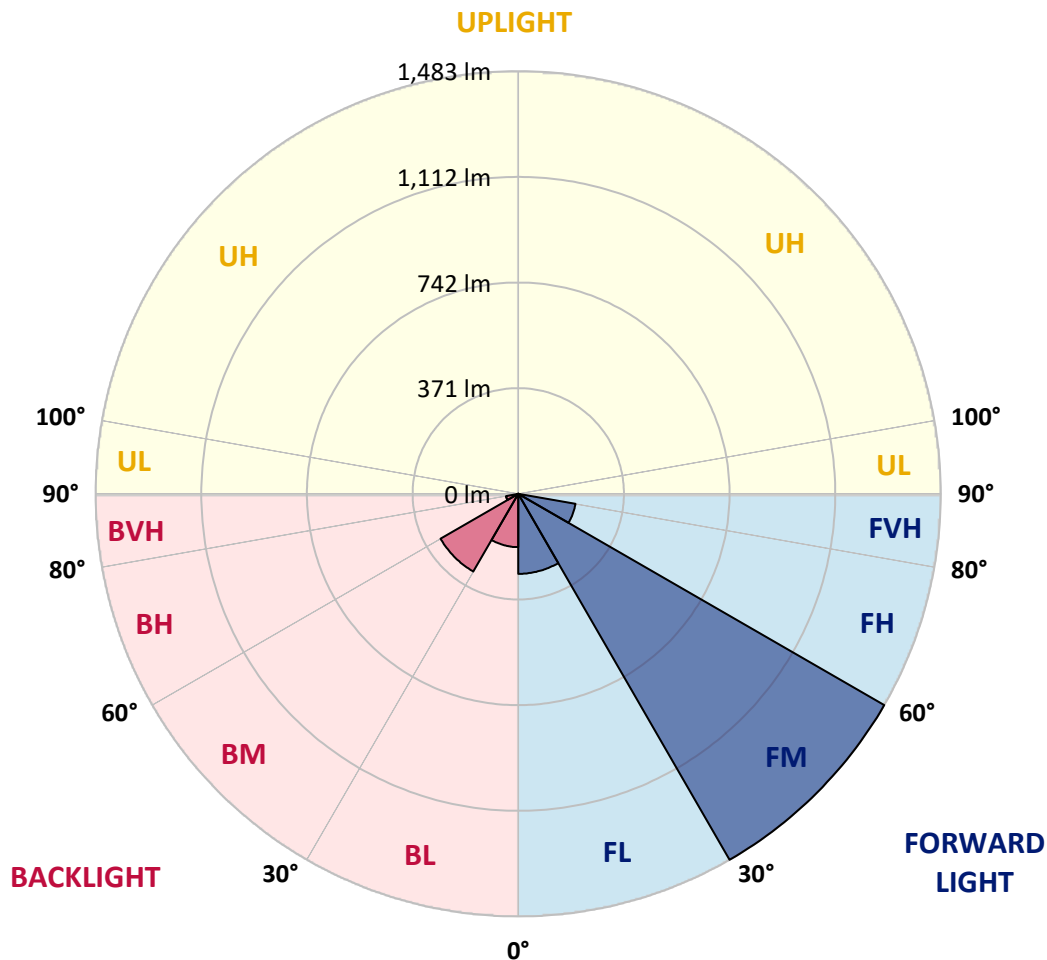


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.8	11.2			
FM (30°-60°)	1483.0	58.9			
FH (60°-80°)	203.8	8.1			G0/660
FVH (80°-90°)	2.0	0.1			G0/10
BL (0°-30°)	187.1	7.4	B1/500		
BM (30°-60°)	314.9	12.5	B1/1000		
BH (60°-80°)	43.5	1.7	B0/110		G0/110
BVH (80°-90°)	1.9	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°	48°	55°	65°	75°	85°
0°	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7
2.5°	489.5	487.2	487.2	483.5	487.6	485.8	487.2	482.6	487.2	480.3	485.8
5°	491.7	492.2	490.4	492.7	492.7	495.4	490.8	495.0	497.2	492.2	489.9
7.5°	503.7	504.6	504.1	502.3	506.0	505.5	505.0	501.8	502.7	500.9	498.2
10°	527.0	526.6	528.9	524.3	521.5	524.7	525.7	520.6	517.0	515.6	506.9
12.5°	560.9	555.4	552.2	547.7	549.0	544.5	552.7	544.0	542.2	533.9	525.2
15°	588.4	587.5	588.0	580.7	572.4	574.2	574.2	569.7	566.9	556.8	544.5
17.5°	644.8	625.6	629.7	620.5	613.7	613.2	609.1	610.0	602.7	581.6	562.8
20°	688.8	680.6	674.1	658.6	648.0	651.2	649.4	644.8	642.5	615.0	588.4
22.5°	728.2	731.0	720.4	716.3	701.6	703.0	706.7	702.6	685.1	656.7	617.3
25°	783.7	780.5	766.3	761.2	747.5	752.5	766.7	763.5	752.5	701.2	639.8
27.5°	849.2	838.2	841.0	818.1	804.8	819.0	835.9	852.0	820.8	753.4	666.4
30°	895.5	884.0	883.1	882.2	879.0	895.5	915.2	929.9	904.7	805.7	710.4
32.5°	918.4	921.2	929.0	926.2	954.2	988.1	1008.7	1029.8	998.2	890.9	768.6
35°	979.4	962.0	979.4	981.2	1010.1	1082.0	1108.1	1158.6	1150.8	1011.4	839.6
37.5°	1015.1	1013.7	1016.0	1033.4	1061.4	1150.3	1187.4	1226.4	1211.7	1083.9	928.0
40°	1074.2	1077.9	1077.4	1090.7	1121.4	1201.6	1216.8	1248.4	1249.8	1184.2	1058.2
42.5°	1169.1	1154.4	1144.8	1158.6	1201.6	1246.1	1276.3	1269.9	1315.3	1306.1	1225.5
45°	1254.3	1263.1	1248.8	1271.8	1287.3	1311.2	1310.3	1324.0	1381.7	1425.3	1351.5
47.5°	1334.1	1339.6	1346.5	1362.0	1396.0	1399.6	1391.8	1385.9	1465.6	1510.5	1449.1
50°	1381.7	1386.8	1418.9	1446.8	1510.1	1518.3	1522.9	1507.8	1561.9	1566.9	1541.2
52.5°	1368.9	1374.4	1419.3	1511.4	1612.3	1687.9	1674.1	1648.5	1645.3	1665.0	1626.5
55°	1255.3	1250.2	1312.1	1455.5	1644.4	1825.8	1827.7	1800.6	1748.8	1735.6	1613.6
56°	1158.6	1138.9	1217.7	1390.9	1603.1	1813.9	1834.5	1805.7	1757.1	1697.5	1534.4
57.5°	949.1	967.9	1046.3	1189.7	1460.6	1728.2	1740.1	1733.3	1696.6	1596.7	1350.1
60°	523.4	556.4	625.6	801.1	1039.9	1326.3	1335.9	1391.8	1398.7	1222.7	929.0
62.5°	222.3	218.6	290.6	419.8	592.1	800.6	818.5	875.8	886.3	704.9	466.1
65°	90.3	95.3	131.5	211.3	313.0	364.8	390.0	408.8	443.6	291.0	171.9
67.5°	59.6	59.1	77.5	120.5	168.7	162.7	162.7	171.9	159.0	118.7	74.2
70°	42.6	44.0	55.5	83.4	104.9	77.9	74.7	71.5	81.1	78.4	60.0
72.5°	28.0	29.8	37.1	50.0	54.5	42.6	42.6	51.3	66.9	63.2	49.0
75°	18.3	18.8	22.9	28.9	27.0	22.0	24.3	34.4	48.6	46.7	34.8
77.5°	12.4	12.8	15.6	18.8	15.1	12.4	13.3	17.4	23.8	23.8	18.3
80°	4.6	5.0	6.4	6.0	6.9	8.7	9.6	11.9	14.2	14.2	12.4
82.5°	0.0	0.5	1.4	3.2	5.0	6.9	7.8	9.2	10.5	11.9	11.5
85°	0.0	0.5	1.4	2.3	3.7	4.1	4.6	3.2	2.7	2.7	2.3
87.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.5	0.5
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°	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7
2.5°	480.7	480.3	480.3	478.9	481.7	480.3	481.2	480.7	474.8	479.4	476.2
5°	485.8	489.0	484.0	483.0	479.4	480.7	480.7	476.2	480.3	479.8	478.9
7.5°	498.6	493.1	487.6	482.1	481.2	479.8	474.8	473.0	476.2	472.5	478.0
10°	504.1	505.0	496.8	489.5	482.6	473.0	466.1	462.0	456.9	462.4	465.6
12.5°	529.3	520.2	506.0	494.5	471.1	461.5	454.6	452.8	461.5	463.3	460.1
15°	538.0	536.7	518.3	492.7	468.4	456.9	458.3	454.6	455.5	451.0	451.9
17.5°	555.9	540.3	518.8	486.7	467.9	465.2	456.9	442.3	434.0	430.3	433.5
20°	575.6	560.5	529.3	489.0	472.0	464.7	437.7	419.8	402.8	393.7	394.1
22.5°	593.0	574.2	524.7	489.9	475.7	445.5	412.9	377.6	356.6	342.3	342.8
25°	614.1	587.5	526.6	491.7	466.1	414.8	368.0	333.6	308.4	298.8	302.0
27.5°	626.0	595.8	536.7	495.9	440.9	371.2	320.8	288.7	274.1	269.5	269.0
30°	661.8	614.1	549.0	487.6	398.7	324.5	277.7	258.0	243.8	239.7	240.6
32.5°	714.9	647.6	565.1	466.1	355.6	282.8	249.8	235.1	221.8	214.0	213.1
35°	759.4	704.9	582.0	432.6	305.7	250.7	230.1	211.7	191.6	182.9	180.6
37.5°	844.2	769.5	578.4	382.2	258.0	226.9	209.0	186.5	169.1	157.2	155.8
40°	956.9	845.1	560.5	320.8	222.7	205.8	186.5	165.0	143.4	133.4	132.4
42.5°	1093.9	937.7	528.0	258.5	187.4	184.7	167.3	142.5	123.3	115.9	116.4
45°	1205.3	1016.9	495.0	207.6	161.3	164.1	148.9	125.6	112.3	106.3	106.3
47.5°	1304.3	1070.6	459.2	171.4	137.0	143.4	130.2	116.4	104.9	100.4	99.4
50°	1399.6	1125.1	423.5	138.9	116.9	123.3	121.9	110.9	101.7	96.2	96.7
52.5°	1459.2	1133.8	378.1	113.7	102.2	109.5	114.1	104.0	93.9	90.7	89.8
55°	1386.3	1021.5	293.3	93.5	86.6	96.2	104.9	93.5	85.7	80.2	79.7
56°	1288.3	913.4	245.2	86.2	82.0	92.6	101.7	89.4	80.7	77.5	75.2
57.5°	1090.7	747.5	181.0	76.5	76.1	86.2	96.7	85.2	75.2	72.4	72.4
60°	680.1	420.7	109.5	64.2	66.0	76.5	87.1	76.1	66.9	66.9	68.3
62.5°	309.8	175.1	66.5	54.5	56.8	66.0	77.5	68.7	63.7	68.7	69.7
65°	105.4	75.6	48.1	43.5	44.9	54.5	66.5	69.7	69.2	72.4	74.2
67.5°	59.1	48.6	40.3	36.2	35.3	40.3	54.5	69.7	66.9	65.5	66.5
70°	50.0	41.2	35.7	32.1	30.7	32.5	42.2	52.7	47.2	45.8	44.9
72.5°	40.3	34.4	31.2	28.9	24.7	21.1	19.2	20.2	22.5	23.8	26.1
75°	28.4	26.1	26.1	23.4	17.9	13.3	10.5	8.7	6.0	4.1	4.6
77.5°	16.0	16.0	16.5	14.2	11.5	8.7	6.4	4.6	2.3	0.9	0.5
80°	11.0	11.9	12.8	11.5	9.6	7.8	5.5	3.2	1.4	0.0	0.0
82.5°	11.0	12.4	13.3	11.5	9.6	7.3	5.5	3.2	1.4	0.5	0.0
85°	2.3	2.7	3.2	3.7	5.5	5.5	4.1	2.7	1.4	0.5	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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)