

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: STREETWORKS

Report Number: P526477

Luminaire Tested: **GLAN-SA1B-830-U-T3R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1B-830-U-T3R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2783 lumens
Efficiency: N/A
Efficacy: 63.3 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

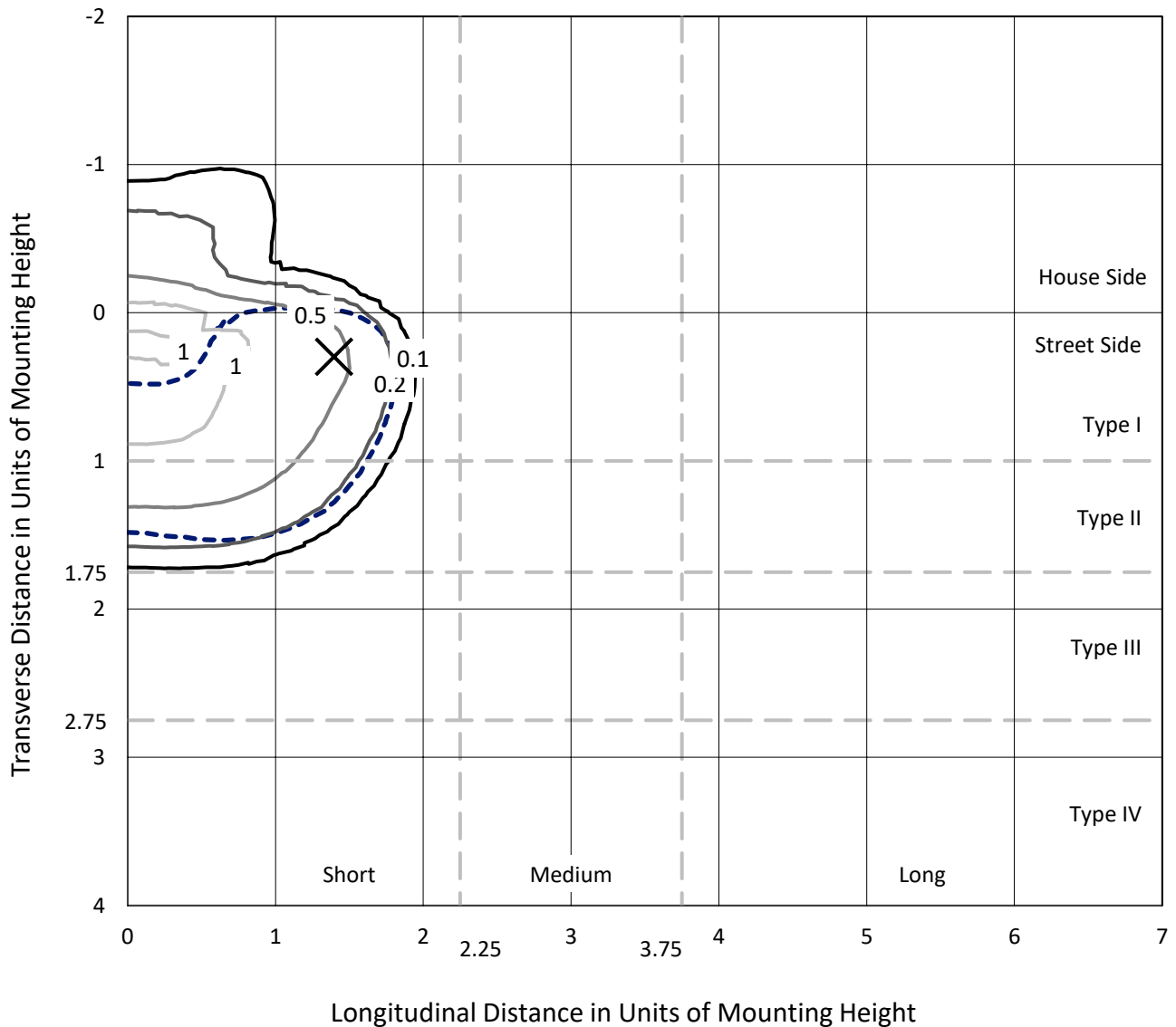
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

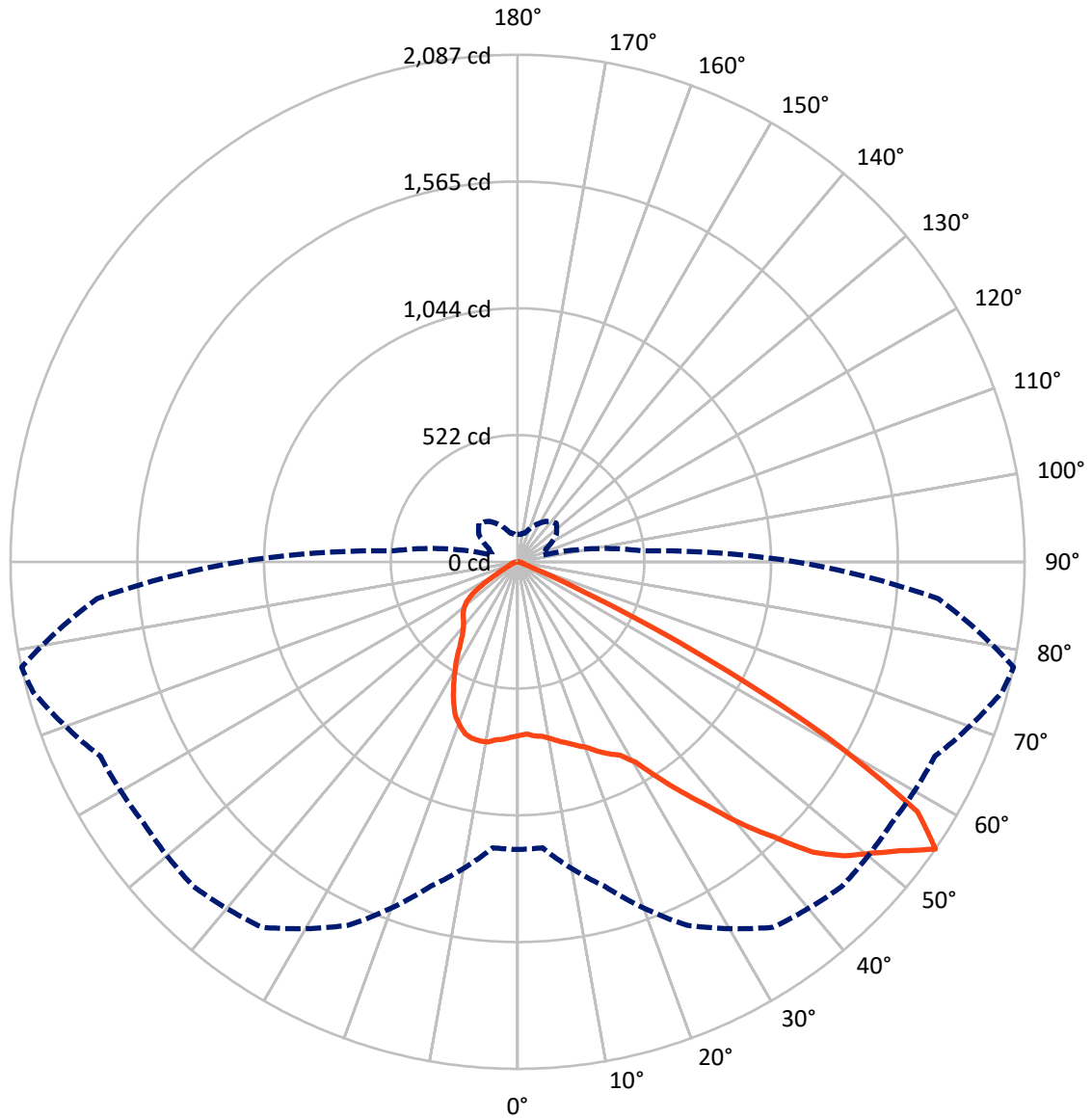
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	516.9	0.0	516.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	2266.1	0.0	2266.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	2783.0	0.0	2783.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	2.3
10°-20°	168.9	6.1
20°-30°	296.0	10.6
30°-40°	488.0	17.5
40°-50°	710.1	25.5
50°-60°	804.6	28.9
60°-70°	230.1	8.3
70°-80°	17.9	0.6
80°-90°	3.7	0.1
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°	2783.0	100.0
0°-180°	2783.0	100.0

Coefficient of Utilization

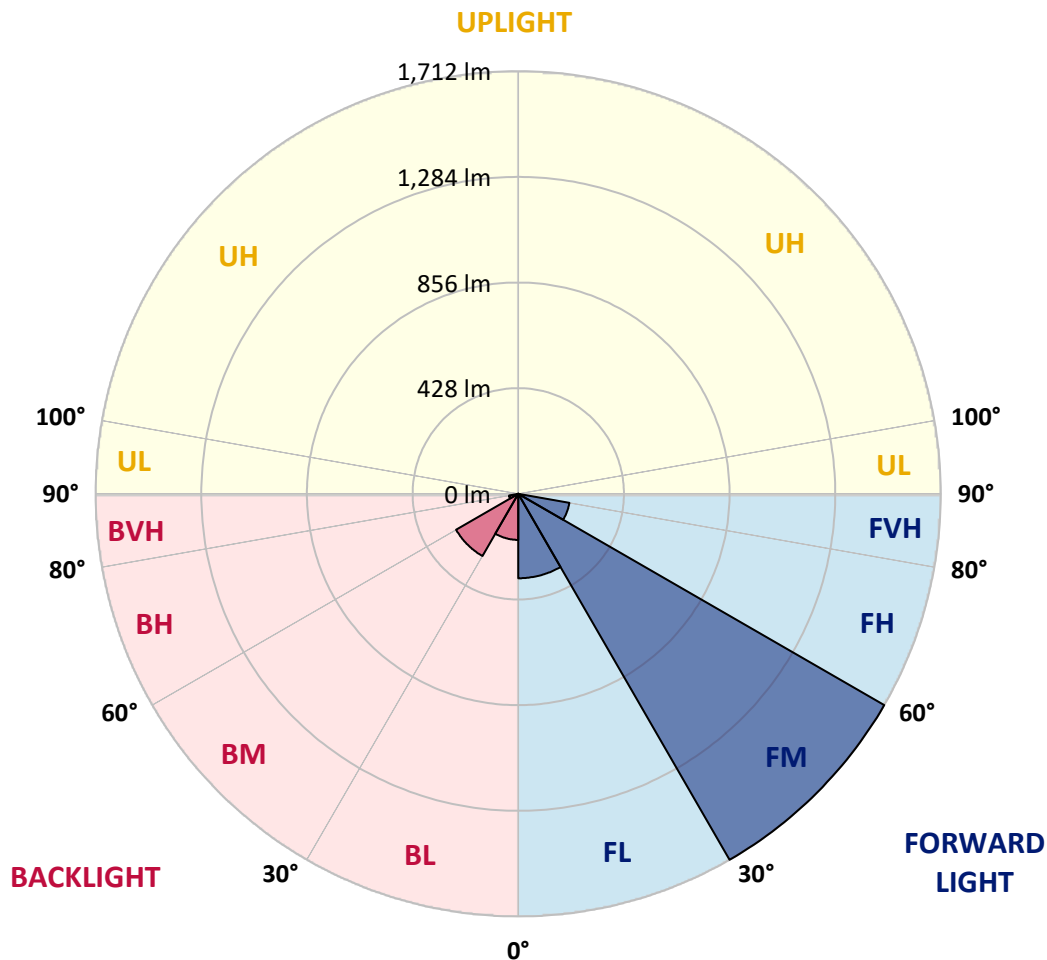


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.1	12.3			
FM (30°-60°)	1712.0	61.5			
FH (60°-80°)	210.2	7.6			G0/660
FVH (80°-90°)	1.8	0.1			G0/10
BL (0°-30°)	186.5	6.7	B1/500		
BM (30°-60°)	290.8	10.4	B1/1000		
BH (60°-80°)	37.7	1.4	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°	55°	65°	75°	78°	85°
0°	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5
2.5°	672.7	679.2	680.2	688.1	687.6	701.1	705.1	705.6	714.5	710.0	721.5
5°	653.8	650.3	648.8	662.8	666.7	678.7	688.6	694.6	713.0	719.5	731.4
7.5°	636.9	636.9	637.9	650.3	648.8	664.3	674.7	693.1	720.0	725.5	739.9
10°	620.5	614.5	622.0	634.9	645.9	652.8	674.7	692.1	723.5	739.4	759.3
12.5°	612.0	615.0	616.0	625.5	637.4	658.3	670.2	699.1	748.4	757.8	779.2
15°	665.3	659.3	644.9	636.4	646.3	656.3	686.2	715.5	761.3	774.7	798.6
17.5°	727.0	722.0	710.0	687.1	664.8	683.2	706.6	733.4	775.2	795.1	830.5
20°	807.6	799.6	787.7	742.9	723.5	703.6	728.4	760.3	798.1	816.0	852.3
22.5°	903.6	903.6	876.7	822.5	782.2	763.3	773.7	792.1	823.5	847.9	883.7
25°	1003.6	1000.6	976.2	920.0	851.8	829.5	841.4	854.3	862.8	876.2	900.1
27.5°	1118.0	1100.6	1069.8	1007.6	947.4	904.1	917.0	905.6	895.1	902.1	936.4
30°	1195.7	1206.6	1167.3	1107.6	1050.9	1002.6	1005.1	995.1	947.4	957.3	977.7
32.5°	1276.3	1283.2	1261.3	1228.5	1171.8	1115.6	1095.2	1086.7	1050.9	1055.4	1035.5
35°	1343.4	1356.9	1337.5	1323.0	1306.6	1261.3	1205.1	1232.5	1174.8	1163.8	1112.1
37.5°	1405.1	1401.2	1424.1	1409.1	1405.6	1373.8	1312.1	1317.6	1278.8	1276.3	1216.6
40°	1460.4	1461.4	1492.7	1499.7	1485.8	1429.0	1339.5	1382.8	1414.1	1417.1	1340.5
42.5°	1506.2	1519.6	1546.5	1602.7	1581.8	1487.2	1367.8	1415.1	1531.5	1549.9	1457.9
45°	1546.0	1573.3	1606.7	1656.9	1645.0	1569.8	1438.5	1481.8	1656.9	1705.2	1568.4
47.5°	1548.4	1584.3	1620.6	1695.2	1710.2	1614.1	1511.6	1587.3	1756.4	1808.7	1649.0
50°	1538.5	1557.4	1630.1	1711.2	1745.0	1686.3	1614.1	1675.8	1853.0	1885.8	1689.8
52.5°	1420.6	1435.0	1580.8	1726.1	1807.7	1767.9	1750.0	1799.2	1951.5	1975.9	1728.1
55°	1184.2	1181.7	1382.3	1650.9	1836.5	1888.8	1877.8	1895.3	2065.4	2087.3	1737.5
57.5°	810.0	855.3	1028.5	1374.8	1659.9	1860.4	1871.9	1843.0	1932.6	1941.0	1514.6
60°	436.9	455.8	595.1	917.5	1263.8	1516.1	1546.0	1493.7	1486.8	1462.9	1081.2
62.5°	173.7	183.1	262.2	454.3	688.6	921.5	985.7	964.3	918.5	855.8	559.8
65°	82.6	88.6	130.4	212.5	305.5	384.1	448.3	468.2	345.3	311.0	184.6
67.5°	56.2	60.7	95.0	121.4	109.0	113.9	148.3	137.8	81.1	69.2	51.3
70°	42.8	45.8	76.1	82.6	48.8	34.3	38.3	35.8	33.3	33.8	33.3
72.5°	30.4	32.8	55.7	48.8	21.4	15.9	20.4	24.4	24.4	24.4	23.9
75°	18.4	20.9	32.3	18.9	8.5	8.5	12.9	16.4	17.4	17.9	16.9
77.5°	9.5	11.9	10.9	5.5	5.5	6.5	9.5	11.4	12.4	12.4	11.9
80°	2.0	2.0	2.0	3.0	5.5	7.0	9.5	10.4	11.9	11.9	10.9
82.5°	0.0	0.5	1.5	3.0	5.0	6.5	9.0	10.4	11.9	12.4	11.4
85°	0.0	0.5	1.0	2.0	3.5	4.0	3.5	3.0	3.0	3.0	3.0
87.5°	0.0	0.0	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0
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°	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5	715.5
2.5°	722.5	724.0	721.5	721.0	719.0	725.0	710.5	707.1	716.0	707.5	709.5
5°	731.9	735.4	730.9	723.5	712.5	695.6	681.2	662.3	653.3	646.8	645.9
7.5°	738.9	741.4	736.9	713.0	680.2	637.4	605.5	582.2	563.8	558.3	549.3
10°	767.3	767.8	745.4	692.6	628.4	572.2	523.4	487.6	469.2	457.8	452.8
12.5°	786.2	785.2	739.9	652.3	566.7	492.1	436.4	393.1	376.2	370.7	367.2
15°	810.0	804.6	727.0	611.0	487.1	406.5	356.3	326.4	324.9	321.4	324.9
17.5°	829.0	813.5	708.0	535.9	411.0	334.9	302.0	304.0	308.0	311.5	312.0
20°	859.8	828.0	664.8	470.2	340.3	287.1	286.6	295.6	305.5	309.5	313.5
22.5°	883.2	833.9	618.5	400.0	282.6	267.7	276.2	289.6	297.1	301.0	307.0
25°	891.7	817.5	556.8	329.9	254.8	258.7	271.7	280.6	290.1	294.6	292.1
27.5°	900.1	809.1	483.1	271.7	239.8	252.8	263.7	272.7	275.7	281.6	285.6
30°	920.5	779.7	417.0	234.9	232.4	248.8	256.7	259.7	267.7	271.2	271.2
32.5°	936.9	768.3	346.8	217.4	231.4	250.8	251.8	251.8	252.8	250.3	249.3
35°	970.8	728.9	284.1	207.0	230.9	251.3	253.8	245.3	222.4	213.5	211.0
37.5°	1012.6	703.6	237.8	204.5	234.4	257.2	261.2	229.4	199.5	185.1	182.6
40°	1063.3	685.7	207.5	203.5	242.3	271.2	259.2	216.9	178.1	157.2	156.2
42.5°	1122.5	669.2	187.1	203.0	252.3	285.6	257.2	206.5	156.2	142.3	144.3
45°	1169.8	660.3	173.2	199.5	255.8	294.1	258.7	188.1	147.3	138.3	139.3
47.5°	1206.6	641.4	161.7	193.6	255.3	297.1	245.3	180.6	142.8	145.3	147.8
50°	1207.6	616.0	147.3	180.6	247.8	291.6	229.9	173.7	141.8	152.3	157.2
52.5°	1194.2	580.2	131.9	162.2	230.4	272.7	215.9	170.7	137.3	136.3	142.3
55°	1146.4	513.0	106.0	131.4	194.6	224.9	203.5	165.2	123.9	112.5	113.4
57.5°	926.5	367.7	78.1	94.0	137.8	164.7	183.6	162.7	111.5	95.5	96.0
60°	573.7	208.5	57.2	64.2	85.1	100.0	148.8	151.3	99.5	80.6	79.6
62.5°	294.6	103.0	44.3	45.3	52.2	58.7	102.0	126.9	90.1	76.6	76.6
65°	98.5	50.8	38.8	34.8	34.8	36.3	61.7	88.1	76.1	64.2	64.2
67.5°	42.3	37.8	33.8	30.4	27.9	26.4	34.8	51.3	56.7	48.8	46.8
70°	32.8	31.8	29.4	25.4	21.9	19.9	20.4	26.4	32.3	31.3	30.4
72.5°	24.4	24.4	23.4	19.9	16.9	14.4	13.4	13.9	15.4	15.9	16.4
75°	16.9	17.4	17.4	15.4	12.4	10.4	9.0	7.5	6.0	5.0	4.5
77.5°	11.4	11.9	12.9	11.4	9.5	7.0	5.5	4.0	2.5	1.0	1.0
80°	10.0	11.4	12.4	11.4	10.0	7.5	5.5	3.0	1.5	0.0	0.0
82.5°	10.4	11.4	12.9	10.9	9.5	7.0	5.5	3.5	1.5	0.5	0.0
85°	2.5	2.5	3.0	3.5	4.5	5.0	4.0	2.5	1.5	0.5	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	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)