

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: P200553

Luminaire Tested: **GPC-AF-01-LED-E1-5NQ-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24141)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-01-LED-E1-5NQ-8030-1200
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5869 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

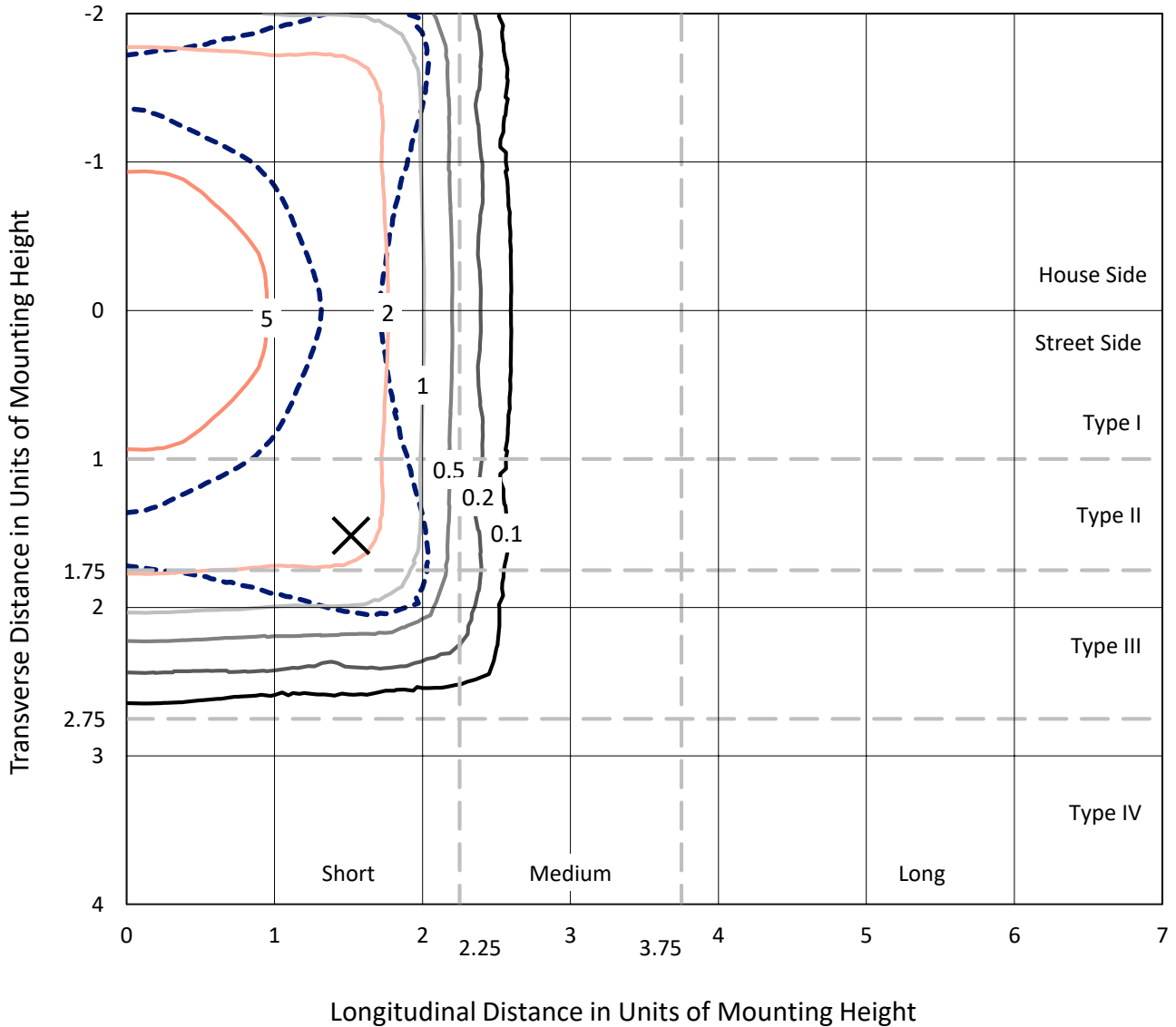
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

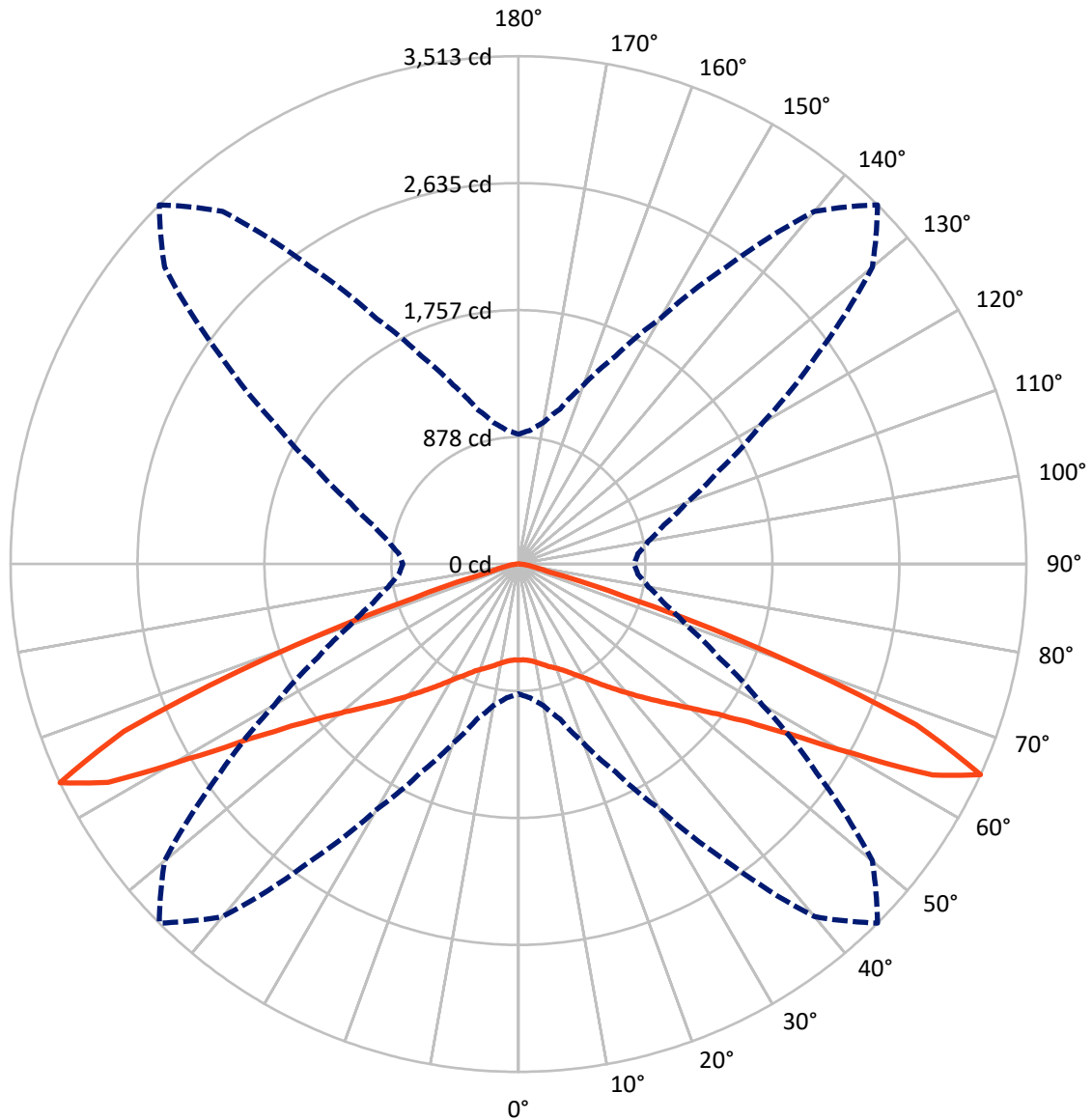
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2934.5	0.0	2934.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2934.5	0.0	2934.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5869.0	0.0	5869.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	1.1
10°-20°	207.6	3.5
20°-30°	388.2	6.6
30°-40°	656.5	11.2
40°-50°	1073.4	18.3
50°-60°	1706.9	29.1
60°-70°	1542.9	26.3
70°-80°	195.3	3.3
80°-90°	33.6	0.6
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°	5869.0	100.0
0°-180°	5869.0	100.0



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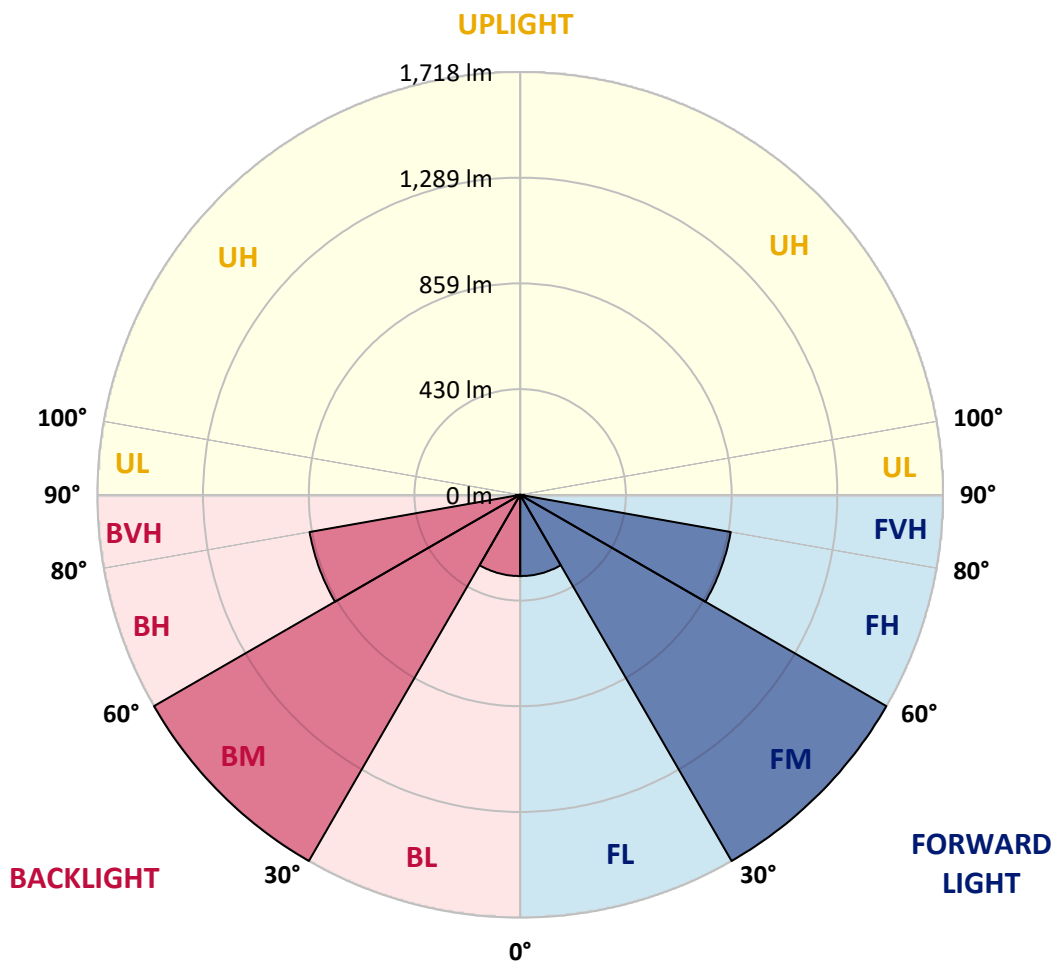
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.2	5.6			
FM	(30°-60°)	1718.4	29.3			
FH	(60°-80°)	869.1	14.8			G1/1800
FVH	(80°-90°)	16.8	0.3			G1/100
BL	(0°-30°)	330.2	5.6	B1/500		
BM	(30°-60°)	1718.4	29.3	B2/2500		
BH	(60°-80°)	869.1	14.8	B2/1000		G1/1800
BVH	(80°-90°)	16.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1
2.5°	664.6	665.2	665.7	665.2	665.7	664.9	664.4	665.2	664.4	663.5	664.1
5°	670.4	670.7	670.7	669.9	670.7	670.1	669.3	670.4	669.6	668.8	669.3
7.5°	680.0	681.1	680.3	679.5	680.0	679.5	678.9	679.2	678.9	678.1	678.4
10°	692.9	693.8	693.2	692.9	693.5	693.2	692.7	692.4	692.7	691.8	691.8
12.5°	708.6	708.3	708.1	708.3	709.2	709.2	708.9	709.2	709.7	710.0	709.4
15°	724.0	724.6	724.6	724.6	726.2	727.6	728.4	728.9	730.0	730.3	729.2
17.5°	743.2	743.2	743.0	743.2	744.9	747.1	747.9	749.0	750.1	750.9	749.6
20°	764.7	765.2	765.2	765.8	768.0	770.5	770.5	771.0	770.5	771.0	770.2
22.5°	790.8	792.4	792.4	792.7	794.9	797.9	797.1	797.9	796.6	797.7	796.6
25°	824.9	827.4	826.8	826.8	828.5	830.4	830.7	832.3	832.0	833.4	832.6
27.5°	863.4	867.2	868.3	868.0	869.1	871.1	871.6	873.5	872.4	873.5	873.0
30°	909.5	911.2	913.4	914.2	915.6	917.5	917.5	917.8	916.4	918.1	918.9
32.5°	957.4	960.4	962.6	967.5	970.0	971.4	971.1	971.7	970.3	972.5	974.1
35°	1020.6	1022.8	1026.4	1030.2	1033.5	1033.2	1032.4	1032.7	1032.7	1034.6	1036.3
37.5°	1096.7	1097.3	1101.9	1107.4	1109.1	1107.4	1102.5	1101.4	1098.9	1101.4	1104.1
40°	1177.3	1179.2	1188.5	1192.1	1192.9	1189.9	1182.8	1178.6	1173.1	1176.2	1180.0
42.5°	1261.6	1265.5	1274.0	1280.3	1283.1	1281.2	1271.3	1264.9	1257.8	1259.4	1263.3
45°	1355.1	1359.8	1371.9	1377.9	1383.1	1380.1	1370.5	1360.9	1349.6	1350.4	1356.5
47.5°	1459.5	1464.2	1479.9	1490.1	1492.8	1492.3	1481.5	1468.3	1453.0	1452.4	1457.6
50°	1576.6	1581.3	1600.8	1616.5	1624.5	1623.6	1611.0	1592.3	1573.6	1573.9	1580.5
52.5°	1691.0	1696.8	1717.1	1744.0	1759.7	1771.0	1763.3	1745.7	1722.9	1723.4	1729.5
55°	1798.2	1807.8	1831.2	1867.7	1896.9	1928.5	1937.5	1937.0	1923.2	1927.1	1933.1
57.5°	1850.1	1864.4	1900.4	1958.2	2017.5	2081.8	2136.3	2177.0	2194.3	2220.4	2214.3
60°	1751.7	1774.5	1827.6	1912.5	2029.9	2164.0	2307.8	2448.2	2568.1	2658.5	2606.6
62.5°	1434.3	1463.9	1528.3	1637.1	1814.7	2029.3	2304.5	2636.5	2998.3	3216.5	3060.7
65°	897.4	928.2	993.6	1110.2	1318.0	1584.9	1958.2	2508.4	3184.3	3513.4	3196.2
67.5°	349.9	366.7	402.1	476.6	632.7	870.2	1244.9	1869.4	2677.8	2966.1	2628.0
70°	175.4	177.0	183.6	197.4	230.9	299.9	456.3	866.7	1535.7	1854.8	1480.4
72.5°	126.7	127.0	130.3	136.3	147.1	162.4	192.1	265.2	499.4	763.3	468.1
75°	97.0	98.1	100.1	103.4	109.1	116.8	127.5	152.8	189.4	219.6	184.7
77.5°	74.8	77.0	78.3	81.4	84.9	90.2	93.2	102.8	119.6	125.9	124.0
80°	56.9	58.8	61.8	64.3	66.8	69.3	68.2	72.6	81.4	86.6	83.8
82.5°	36.3	38.5	47.3	49.5	50.6	52.2	50.3	50.6	54.4	57.7	54.4
85°	23.4	24.7	30.0	32.7	33.0	34.1	33.3	31.3	31.3	28.6	32.2
87.5°	10.7	11.0	13.5	15.9	16.5	14.8	14.6	14.0	11.3	10.7	11.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	664.1	664.1	664.1	664.1	664.1	664.1	664.1	664.1
2.5°	663.8	664.4	664.6	665.5	665.7	665.7	666.0	666.6
5°	669.0	669.9	670.1	671.2	671.5	671.2	671.8	672.1
7.5°	678.4	679.7	680.3	681.4	680.6	681.7	681.9	681.9
10°	692.1	693.5	693.8	694.9	694.3	694.9	694.9	694.3
12.5°	710.3	710.5	709.7	710.5	709.4	710.0	709.2	708.6
15°	730.3	729.5	727.6	727.6	725.9	726.2	725.9	725.7
17.5°	749.8	748.2	746.8	746.3	744.9	744.6	743.8	743.8
20°	771.3	770.5	769.6	768.5	767.2	765.8	765.5	766.1
22.5°	797.1	796.8	796.8	796.3	794.4	793.0	792.2	792.2
25°	831.7	829.3	829.3	829.0	828.2	827.4	825.7	826.5
27.5°	870.8	869.4	870.5	870.2	869.4	869.4	868.3	868.3
30°	918.9	918.3	920.0	918.6	915.9	915.6	914.5	913.1
32.5°	974.4	973.9	976.3	974.7	970.3	967.8	965.6	964.5
35°	1036.3	1036.5	1039.5	1038.5	1033.5	1031.9	1028.0	1027.5
37.5°	1103.9	1108.3	1113.5	1114.6	1110.5	1109.4	1105.2	1103.0
40°	1183.3	1189.1	1197.0	1199.0	1194.6	1193.8	1188.0	1185.0
42.5°	1268.0	1277.9	1287.8	1289.4	1285.0	1280.6	1275.1	1272.9
45°	1362.5	1374.3	1387.3	1390.6	1384.0	1378.7	1371.6	1371.6
47.5°	1468.6	1483.5	1498.0	1507.1	1501.1	1495.6	1487.0	1481.5
50°	1594.0	1614.3	1633.3	1642.6	1633.0	1622.5	1607.7	1602.8
52.5°	1751.2	1773.2	1789.7	1784.7	1769.9	1755.3	1739.1	1732.5
55°	1951.8	1959.3	1959.3	1940.6	1910.9	1886.4	1860.9	1852.3
57.5°	2202.8	2174.2	2130.2	2074.4	2004.3	1943.3	1902.1	1882.6
60°	2497.7	2360.3	2205.0	2052.4	1927.1	1823.7	1762.5	1734.4
62.5°	2694.3	2334.7	2023.6	1778.7	1598.4	1473.8	1389.2	1356.2
65°	2518.1	1947.2	1530.5	1237.5	1040.9	914.2	830.4	799.6
67.5°	1844.4	1220.1	815.0	584.1	428.0	341.4	307.0	292.7
70°	827.9	429.6	263.3	205.6	177.3	162.7	156.4	154.2
72.5°	249.6	180.6	152.3	137.4	126.2	119.0	113.8	113.2
75°	150.6	125.3	111.3	102.5	95.4	89.6	86.9	86.0
77.5°	105.3	92.1	85.5	79.2	73.7	69.3	66.8	64.9
80°	73.9	67.6	64.6	61.0	57.4	53.3	49.8	48.1
82.5°	49.5	48.1	48.1	45.9	42.9	39.0	31.9	30.2
85°	31.9	31.6	32.2	31.3	29.1	25.0	20.6	19.5
87.5°	14.8	15.1	16.8	16.5	15.9	13.2	10.4	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)