

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: P634792

Luminaire Tested: GWS-SA3C-740-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10991 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

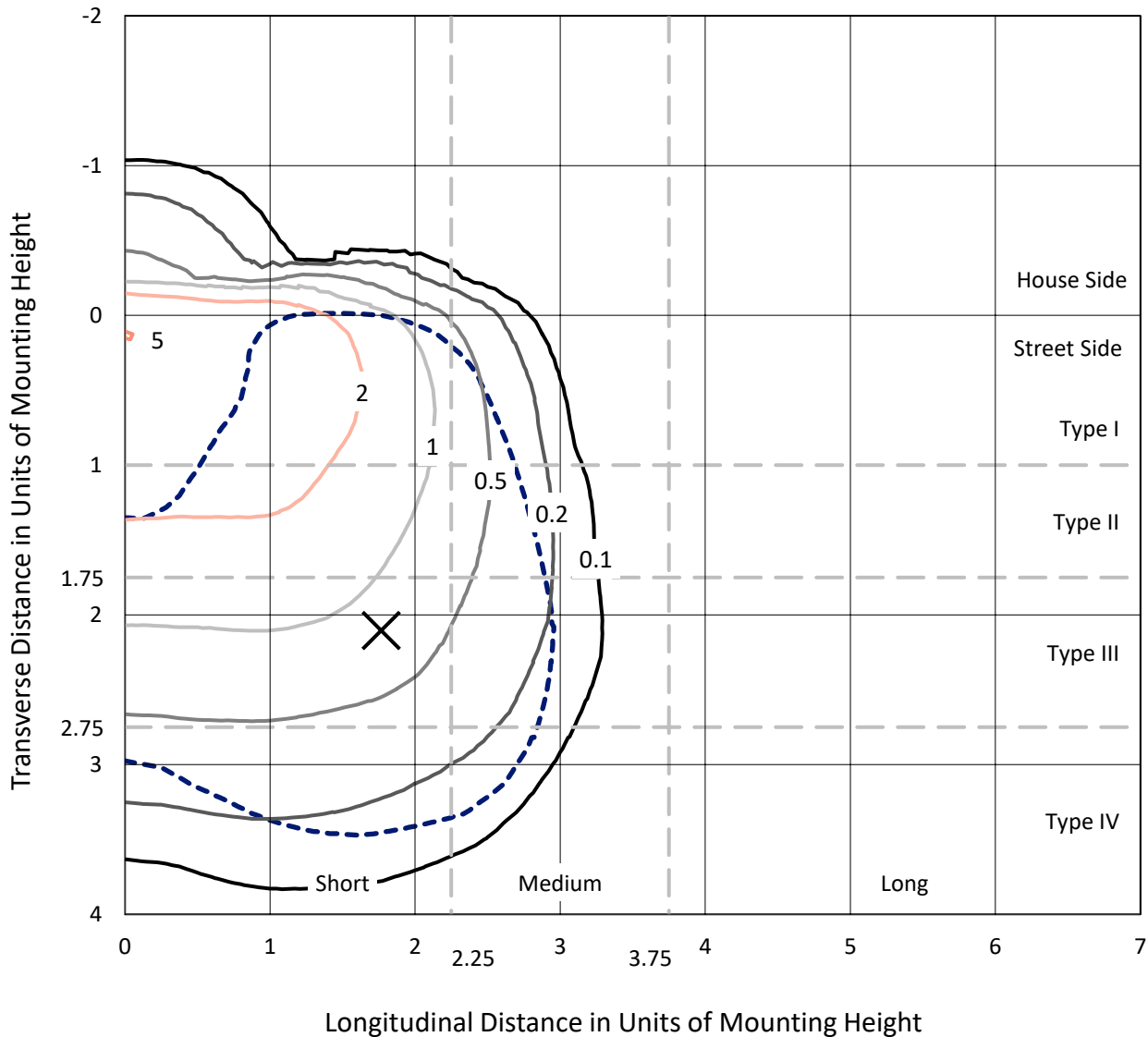
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

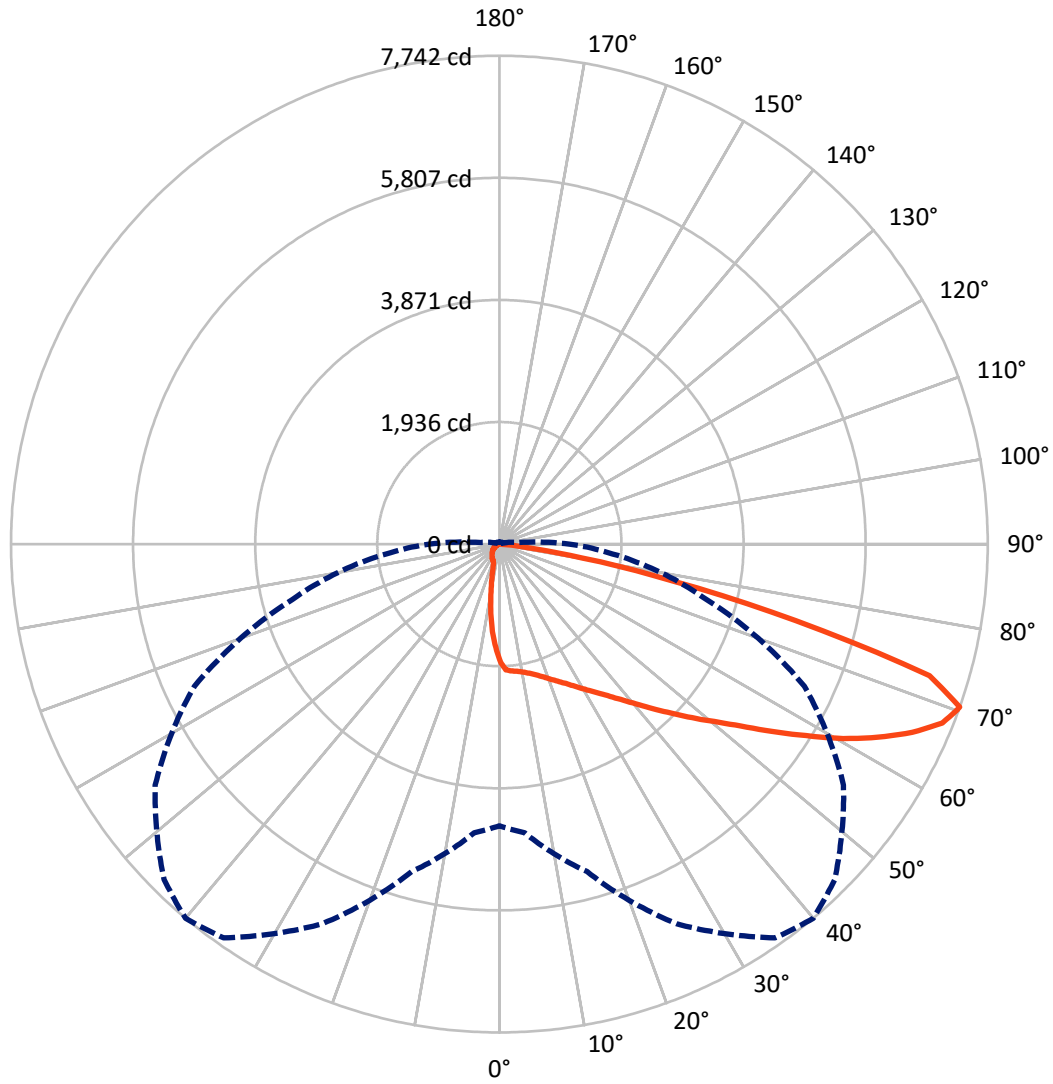
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	898.8	0.0	898.8
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	10092.2	0.0	10092.2
	% Fixture	91.8	0.0	91.8
Total	Lumens	10991.0	0.0	10991.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	1.4
10°-20°	399.8	3.6
20°-30°	669.1	6.1
30°-40°	1051.0	9.6
40°-50°	1662.3	15.1
50°-60°	2424.9	22.1
60°-70°	3006.0	27.4
70°-80°	1520.9	13.8
80°-90°	99.3	0.9
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°	10991.0	100.0
0°-180°	10991.0	100.0

Coefficient of Utilization



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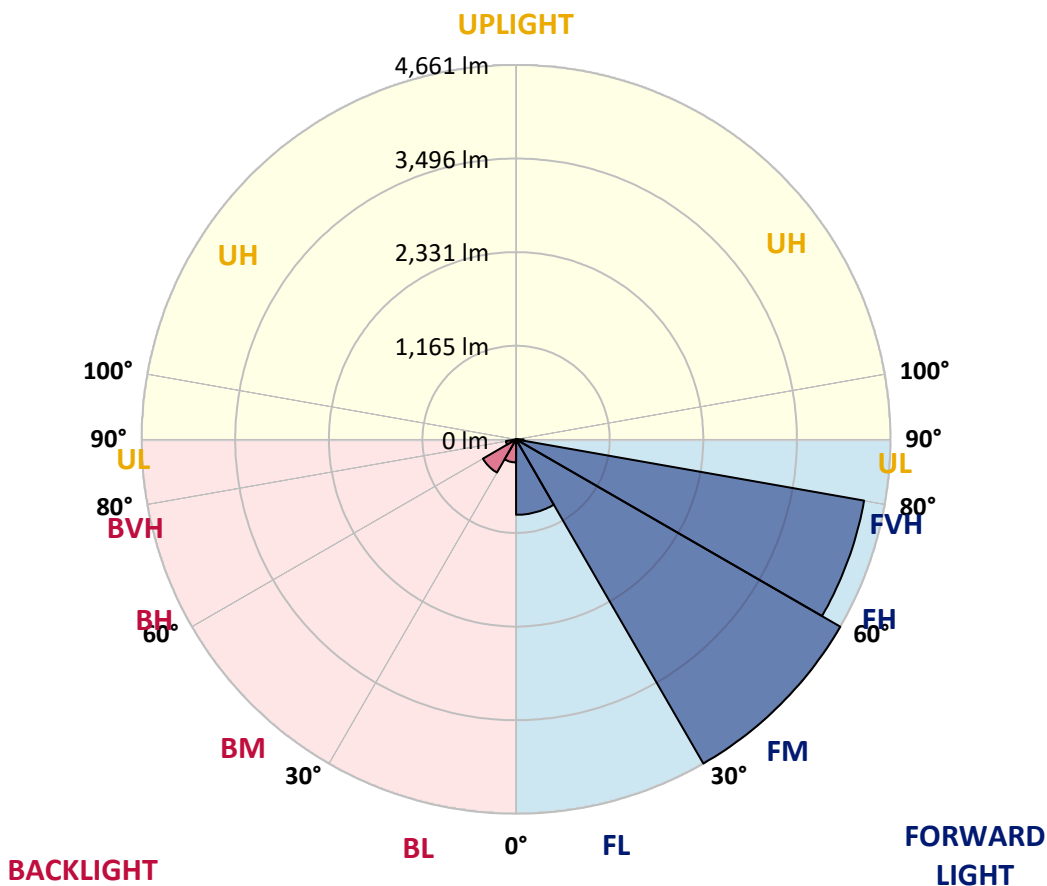
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	939.5	8.5			
FM (30°-60°)	4661.2	42.4			
FH (60°-80°)	4398.8	40.0			G2/5000
FVH (80°-90°)	92.7	0.8			G1/100
BL (0°-30°)	287.0	2.6	B1/500		
BM (30°-60°)	477.1	4.3	B1/1000		
BH (60°-80°)	128.1	1.2	B1/500		G1/500
BVH (80°-90°)	6.6	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0
2.5°	2005.0	2012.0	2011.0	2014.0	2007.0	1996.0	1994.0	1979.0	1952.0	1918.0	1880.0
5°	2046.0	2054.0	2048.0	2045.0	2032.0	2020.0	2017.0	2001.0	1970.0	1924.0	1858.0
7.5°	2081.0	2083.0	2079.0	2072.0	2053.0	2037.0	2026.0	2004.0	1967.0	1921.0	1845.0
10°	2087.0	2086.0	2088.0	2089.0	2077.0	2063.0	2054.0	2024.0	1977.0	1928.0	1846.0
12.5°	2080.0	2080.0	2093.0	2108.0	2108.0	2101.0	2092.0	2065.0	2010.0	1952.0	1866.0
15°	2089.0	2092.0	2117.0	2145.0	2154.0	2147.0	2143.0	2115.0	2058.0	1994.0	1902.0
17.5°	2121.0	2124.0	2164.0	2206.0	2217.0	2209.0	2201.0	2173.0	2112.0	2042.0	1943.0
20°	2168.0	2176.0	2227.0	2281.1	2291.1	2281.1	2265.0	2226.0	2165.0	2094.0	1982.0
22.5°	2254.0	2259.0	2314.1	2371.1	2376.1	2360.1	2336.1	2282.1	2218.0	2149.0	2026.0
25°	2368.1	2375.1	2430.1	2485.1	2472.1	2448.1	2415.1	2354.1	2281.1	2214.0	2082.0
27.5°	2504.1	2512.1	2566.1	2614.1	2580.1	2552.1	2515.1	2439.1	2365.1	2304.1	2154.0
30°	2651.1	2658.1	2706.1	2749.1	2704.1	2671.1	2627.1	2549.1	2474.1	2428.1	2256.0
32.5°	2793.1	2792.1	2838.1	2873.1	2827.1	2801.1	2761.1	2682.1	2622.1	2602.1	2408.1
35°	2925.1	2925.1	2963.1	2998.1	2965.1	2951.1	2914.1	2851.1	2817.1	2841.1	2611.1
37.5°	3058.1	3051.1	3087.1	3126.1	3123.1	3124.1	3103.1	3073.1	3075.1	3160.1	2890.1
40°	3168.1	3165.1	3207.1	3258.1	3298.1	3330.1	3317.1	3328.1	3391.1	3550.1	3247.1
42.5°	3256.1	3263.1	3317.1	3398.1	3499.1	3564.1	3573.1	3618.1	3780.1	4026.1	3650.1
45°	3357.1	3358.1	3433.1	3557.1	3718.1	3821.1	3857.1	3973.1	4203.1	4520.1	4092.1
47.5°	3481.1	3469.1	3553.1	3727.1	3960.1	4112.1	4176.1	4321.1	4677.1	5002.1	4452.1
50°	3618.1	3596.1	3691.1	3928.1	4231.1	4421.1	4551.1	4763.1	5147.1	5398.1	4720.1
52.5°	3777.1	3756.1	3864.1	4159.1	4556.1	4787.1	4954.1	5168.1	5550.1	5700.1	4880.1
55°	3979.1	3958.1	4072.1	4436.1	4940.1	5240.1	5415.1	5595.1	5925.1	5923.1	4996.1
57.5°	4203.1	4174.1	4332.1	4786.1	5419.1	5731.1	5909.1	5997.1	6210.1	6096.1	5074.1
60°	4460.1	4434.1	4653.1	5203.1	5972.1	6261.1	6373.1	6337.1	6444.1	6198.1	5047.1
62.5°	4692.1	4680.1	4952.1	5645.1	6499.1	6743.1	6774.1	6617.1	6616.1	6200.1	4865.1
65°	4933.1	4956.1	5360.1	6154.1	7029.2	7193.2	7140.2	6895.2	6685.1	5955.1	4327.1
67.5°	5023.1	5090.1	5629.1	6614.1	7447.2	7575.2	7482.2	7034.2	6398.1	5131.1	3295.1
70°	4467.1	4593.1	5375.1	6640.1	7620.2	7742.2	7519.2	6660.1	5334.1	3399.1	1805.0
72.5°	3397.1	3544.1	4479.1	5437.1	6853.2	7131.2	6750.1	5426.1	3438.1	1489.0	606.0
75°	1901.0	2060.0	3336.1	4094.1	4601.1	4855.1	4715.1	3481.1	1523.0	389.0	181.0
77.5°	643.0	696.0	1552.0	2533.1	3037.1	2809.1	2378.1	1729.0	560.0	148.0	96.0
80°	381.0	401.0	578.0	1261.0	1598.0	1325.0	1046.0	639.0	285.0	79.0	67.0
82.5°	114.0	135.0	319.0	468.0	626.0	390.0	330.0	365.0	148.0	43.0	56.0
85°	0.0	0.0	68.0	145.0	164.0	64.0	64.0	207.0	27.0	18.0	41.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	3.0	4.0	9.0
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°	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0
2.5°	1853.0	1818.0	1777.0	1738.0	1701.0	1653.0	1630.0	1602.0	1578.0	1565.0	1572.0
5°	1816.0	1761.0	1677.0	1592.0	1506.0	1425.0	1352.0	1303.0	1259.0	1236.0	1241.0
7.5°	1784.0	1710.0	1579.0	1440.0	1302.0	1163.0	1050.0	962.0	894.0	866.0	861.0
10°	1770.0	1677.0	1492.0	1292.0	1080.0	893.0	733.0	636.0	567.0	533.0	539.0
12.5°	1777.0	1660.0	1418.0	1147.0	872.0	654.0	501.0	410.0	361.0	341.0	336.0
15°	1797.0	1656.0	1352.0	999.0	673.0	457.0	346.0	309.0	299.0	297.0	297.0
17.5°	1820.0	1657.0	1284.0	849.0	511.0	339.0	296.0	289.0	286.0	284.0	285.0
20°	1843.0	1657.0	1206.0	697.0	384.0	293.0	282.0	277.0	274.0	273.0	273.0
22.5°	1871.0	1657.0	1119.0	556.0	308.0	278.0	269.0	266.0	263.0	262.0	261.0
25°	1905.0	1658.0	1023.0	435.0	280.0	265.0	258.0	255.0	252.0	250.0	250.0
27.5°	1954.0	1666.0	917.0	339.0	264.0	253.0	247.0	244.0	241.0	238.0	238.0
30°	2025.0	1686.0	798.0	280.0	249.0	240.0	234.0	232.0	229.0	226.0	225.0
32.5°	2131.0	1721.0	675.0	251.0	235.0	226.0	219.0	217.0	214.0	211.0	210.0
35°	2279.1	1785.0	555.0	233.0	217.0	208.0	204.0	203.0	199.0	196.0	196.0
37.5°	2496.1	1889.0	440.0	215.0	202.0	195.0	190.0	188.0	184.0	181.0	180.0
40°	2761.1	2024.0	342.0	201.0	188.0	181.0	176.0	173.0	168.0	164.0	162.0
42.5°	3099.1	2189.0	270.0	186.0	175.0	168.0	164.0	158.0	151.0	145.0	144.0
45°	3451.1	2359.1	223.0	172.0	163.0	157.0	152.0	144.0	134.0	127.0	125.0
47.5°	3721.1	2465.1	195.0	157.0	150.0	145.0	139.0	129.0	117.0	109.0	107.0
50°	3914.1	2481.1	174.0	143.0	139.0	134.0	125.0	113.0	100.0	92.0	90.0
52.5°	4009.1	2409.1	157.0	130.0	127.0	122.0	111.0	98.0	84.0	76.0	74.0
55°	4052.1	2273.0	141.0	119.0	115.0	109.0	97.0	83.0	69.0	62.0	60.0
57.5°	4035.1	2072.0	127.0	108.0	103.0	96.0	83.0	68.0	57.0	50.0	49.0
60°	3909.1	1790.0	113.0	97.0	91.0	83.0	70.0	56.0	46.0	41.0	40.0
62.5°	3637.1	1440.0	99.0	84.0	80.0	72.0	60.0	46.0	38.0	35.0	34.0
65°	3080.1	1018.0	85.0	71.0	69.0	61.0	50.0	38.0	33.0	31.0	30.0
67.5°	2214.0	619.0	72.0	61.0	59.0	52.0	42.0	33.0	30.0	29.0	29.0
70°	1113.0	293.0	57.0	50.0	50.0	43.0	36.0	30.0	29.0	28.0	28.0
72.5°	378.0	125.0	43.0	39.0	41.0	37.0	31.0	28.0	28.0	28.0	28.0
75°	129.0	66.0	30.0	28.0	30.0	30.0	27.0	27.0	28.0	28.0	28.0
77.5°	84.0	44.0	21.0	19.0	23.0	23.0	23.0	25.0	27.0	27.0	27.0
80°	69.0	24.0	14.0	13.0	17.0	17.0	19.0	23.0	25.0	25.0	25.0
82.5°	59.0	15.0	8.0	9.0	12.0	13.0	16.0	19.0	22.0	23.0	23.0
85°	40.0	8.0	6.0	7.0	8.0	10.0	13.0	16.0	18.0	20.0	20.0
87.5°	11.0	3.0	4.0	5.0	5.0	7.0	10.0	12.0	14.0	15.0	15.0
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)