

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: P321320

Luminaire Tested: **GAN-SA6B-750-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-750-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27588 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

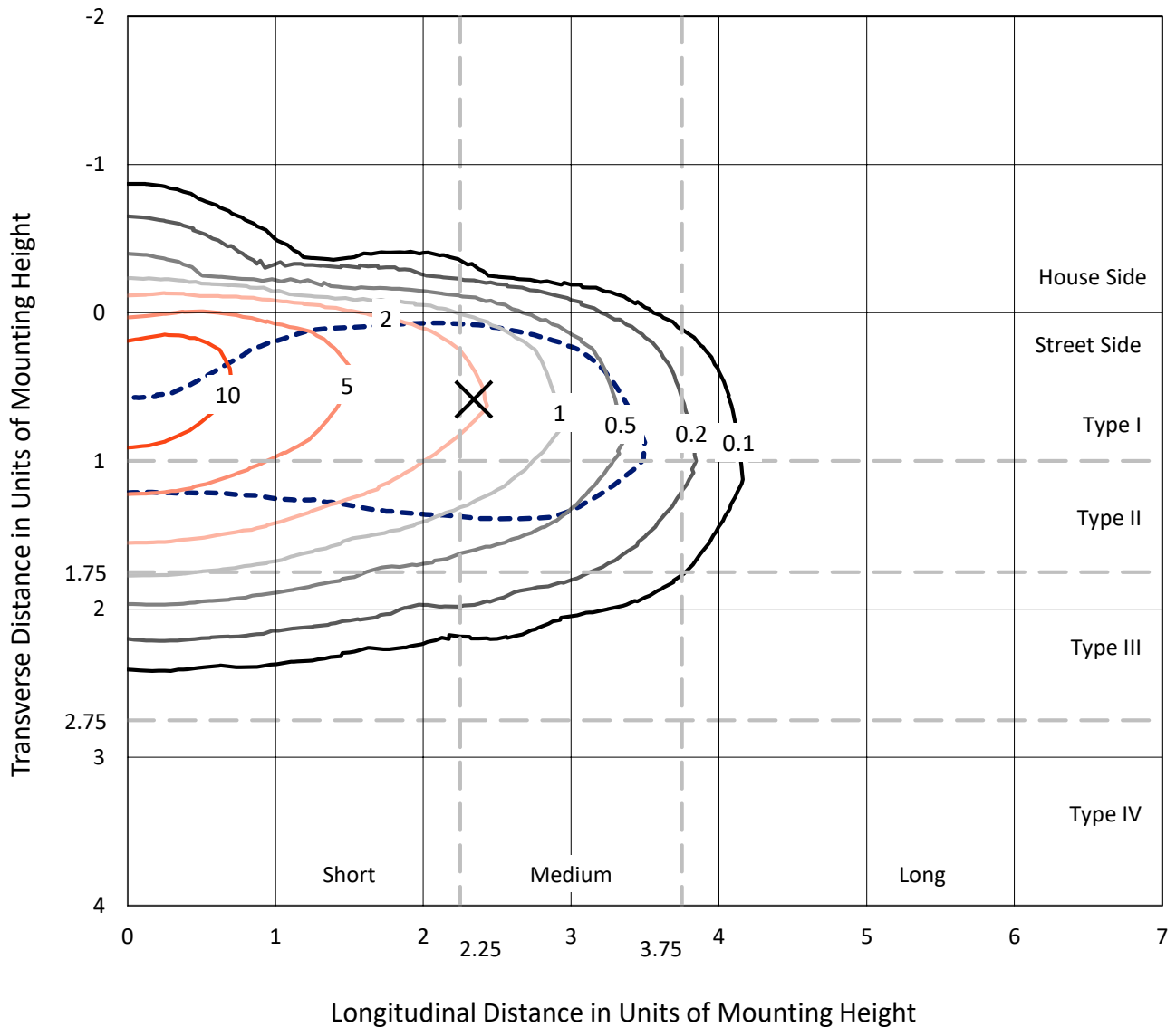
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

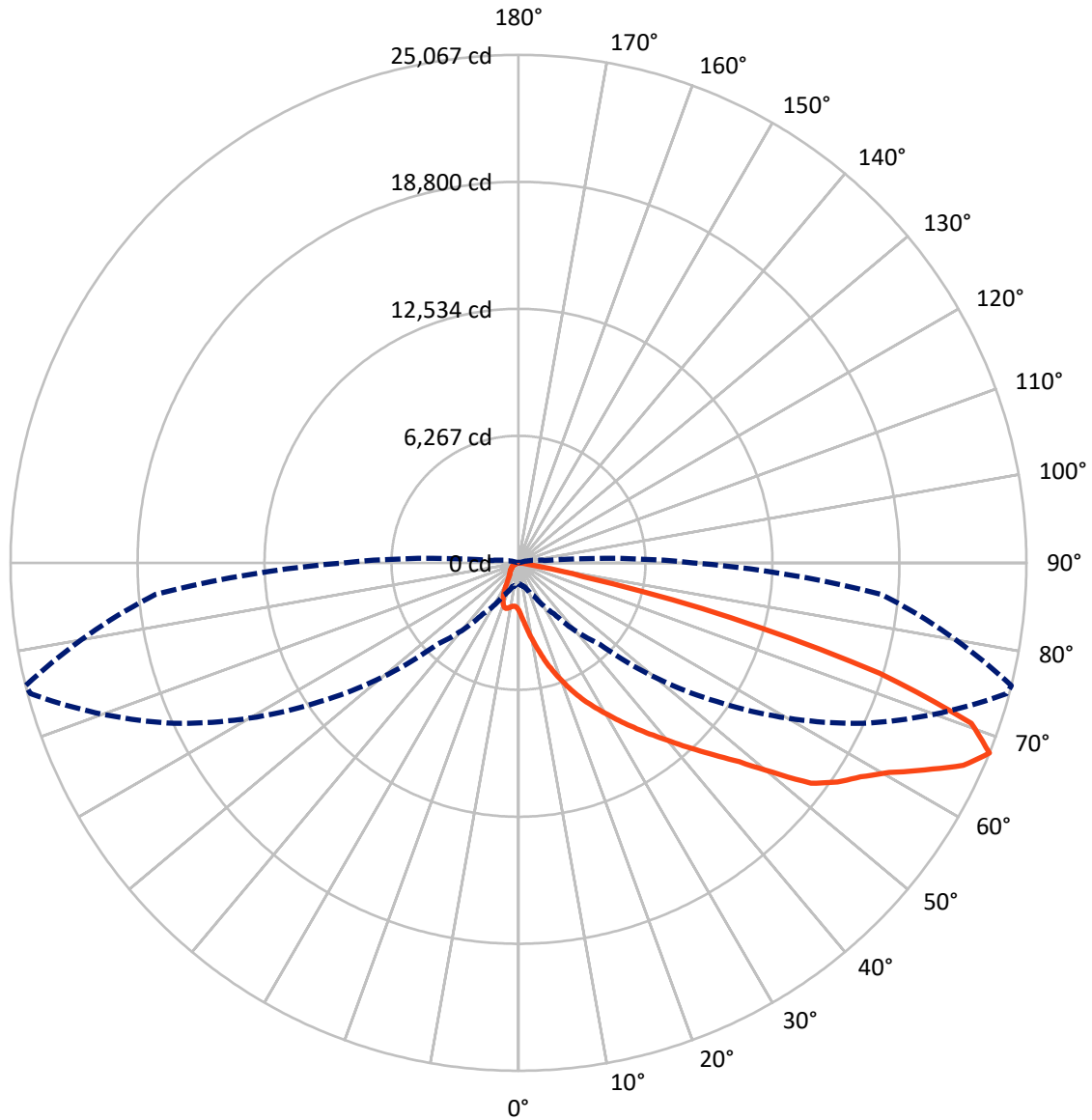
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1369.9	0.0	1369.9
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	26218.0	0.0	26218.0
	% Fixture	95.0	0.0	95.0
Total	Lumens	27588.0	0.0	27588.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.0	1.1
10°-20°	1153.6	4.2
20°-30°	2347.2	8.5
30°-40°	4074.0	14.8
40°-50°	5756.0	20.9
50°-60°	6527.6	23.7
60°-70°	5414.0	19.6
70°-80°	1961.1	7.1
80°-90°	63.6	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°	27588.0	100.0
0°-180°	27588.0	100.0

Coefficient of Utilization

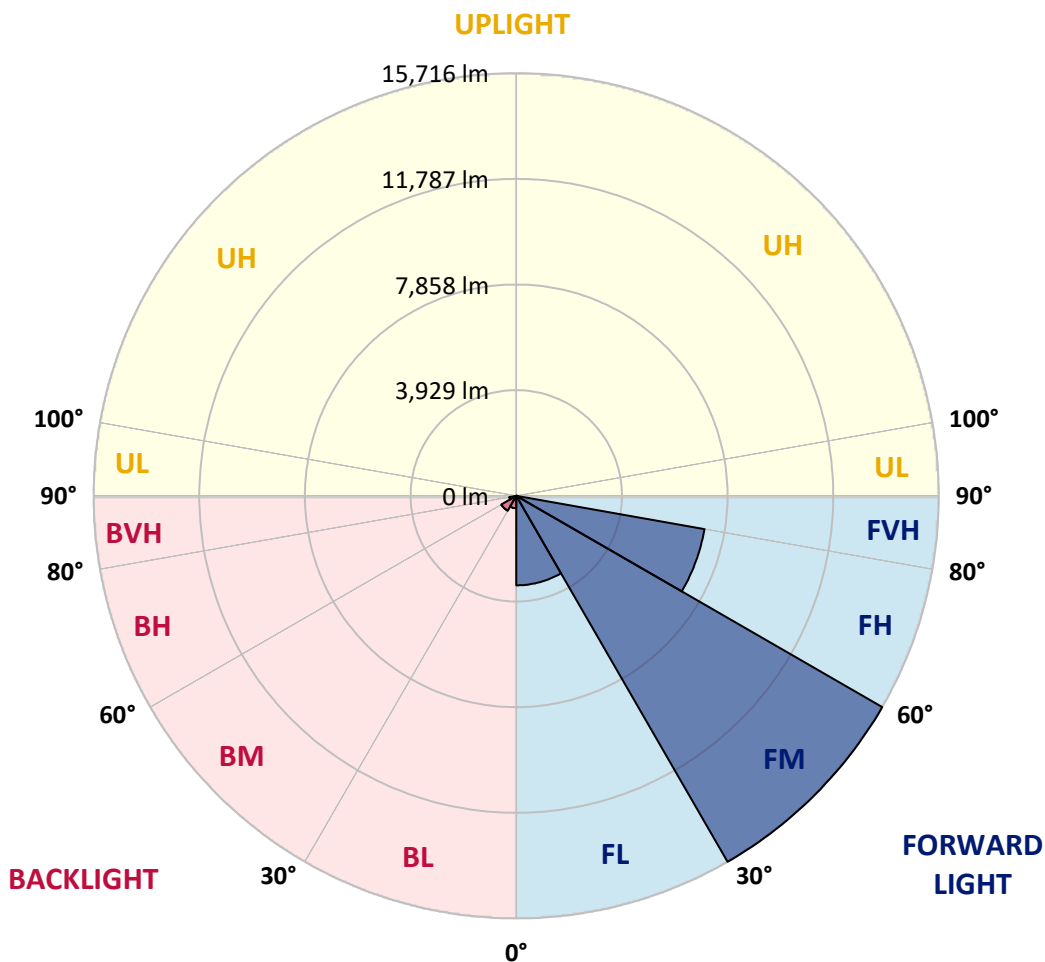


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3329.8	12.1			
FM (30°-60°)	15716.3	57.0			
FH (60°-80°)	7110.3	25.8			G3/7500
FVH (80°-90°)	61.6	0.2			G1/100
BL (0°-30°)	462.0	1.7	B1/500		
BM (30°-60°)	641.2	2.3	B1/1000		
BH (60°-80°)	264.7	1.0	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3
2.5°	3493.5	3414.9	3433.0	3382.3	3290.4	3101.8	2941.0	2788.7	2611.0	2605.0	2458.7
5°	4710.7	4644.3	4635.8	4533.0	4366.2	4045.9	3734.0	3378.6	2982.1	2953.1	2642.5
7.5°	5815.6	5762.4	5743.1	5621.0	5310.3	4998.4	4592.3	4070.1	3450.0	3396.8	2890.3
10°	6664.2	6638.8	6643.6	6556.6	6290.7	6000.5	5467.5	4801.4	3980.6	3898.4	3187.6
12.5°	7307.3	7313.3	7356.8	7303.6	7155.0	6939.8	6370.4	5581.1	4568.1	4455.7	3527.3
15°	7779.9	7810.1	7889.9	7956.4	7945.5	7759.4	7237.2	6372.9	5191.9	5067.3	3905.7
17.5°	8085.7	8119.6	8235.6	8383.1	8518.5	8475.0	8073.7	7136.8	5822.9	5679.0	4310.6
20°	8354.1	8394.0	8518.5	8713.1	8965.8	9020.2	8756.6	7877.8	6452.6	6277.4	4728.9
22.5°	8935.5	8934.3	9010.5	9124.1	9364.7	9504.9	9338.1	8565.6	7075.2	6892.7	5155.6
25°	9987.2	9947.3	9920.7	9831.3	9884.5	9971.5	9878.4	9208.7	7701.3	7516.4	5588.3
27.5°	11237.1	11261.3	11046.1	10805.6	10619.4	10530.0	10377.7	9804.7	8303.3	8100.3	6011.4
30°	12555.9	12563.2	12309.3	12002.3	11592.5	11252.8	10989.3	10374.0	8922.2	8701.0	6422.4
32.5°	13745.4	13698.3	13446.8	13028.6	12511.2	12129.2	11581.6	11009.9	9577.4	9363.5	6879.4
35°	14688.3	14632.7	14326.8	13946.1	13409.4	13025.0	12366.2	11644.5	10266.4	10057.3	7337.5
37.5°	15377.3	15312.0	14997.7	14606.1	14143.1	13919.5	13276.4	12334.7	11018.3	10793.5	7819.8
40°	15616.7	15559.8	15362.8	15076.3	14704.0	14653.2	14242.2	13128.9	11836.7	11597.3	8366.2
42.5°	15474.0	15418.4	15348.3	15251.6	15096.9	15145.2	15153.7	14034.3	12745.7	12510.0	8969.4
45°	14908.3	14858.7	14931.3	15072.7	15264.9	15504.2	15985.3	15007.4	13761.1	13509.7	9666.9
47.5°	14075.4	14039.2	14239.8	14592.8	15154.9	15814.9	16745.7	16030.1	14901.0	14667.7	10537.2
50°	12890.8	12884.7	13286.1	13930.4	14794.7	15964.8	17531.4	17192.9	16484.6	16239.2	11747.2
52.5°	11046.1	11058.2	11847.6	12878.7	14162.4	15863.2	18036.7	18687.0	18326.8	18071.8	12795.3
55°	9289.7	9362.3	9921.9	11408.8	13193.0	15486.1	18210.8	19384.5	19343.4	19101.7	13377.9
57.5°	7569.6	7701.3	8240.5	9629.4	11777.5	14617.0	18115.3	19686.7	20100.1	19915.2	14146.7
60°	5705.6	5766.0	6387.4	7685.6	9960.6	13031.0	17422.6	19851.1	21134.9	21006.7	15262.5
62.5°	3630.1	3781.2	4332.4	5584.7	7755.7	10828.5	16254.9	19848.7	22429.5	22499.6	16702.2
65°	1912.3	2088.8	2381.4	3460.8	5329.7	8368.6	14498.5	19662.5	24017.9	24115.8	17827.6
67.5°	1031.1	1081.9	1236.6	1796.3	3090.9	5669.3	11917.7	18743.8	24937.8	25067.1	17984.7
70°	754.3	782.1	840.1	993.6	1555.7	3292.8	8696.2	16661.1	23752.0	23703.6	15979.3
72.5°	579.0	622.5	666.1	727.7	894.5	1757.6	5414.3	13046.7	18951.8	18632.6	11944.3
75°	456.9	464.2	525.8	581.4	670.9	1000.9	2404.3	7598.6	11567.1	10811.6	6194.0
77.5°	365.1	369.9	406.2	454.5	539.1	657.6	744.6	2989.4	3692.9	3295.2	1344.2
80°	216.4	228.5	302.2	350.6	447.3	414.6	272.0	649.1	576.6	522.2	226.0
82.5°	120.9	130.6	170.4	276.8	311.9	198.2	135.4	175.3	135.4	131.8	64.1
85°	0.0	6.0	110.0	171.7	126.9	43.5	56.8	58.0	39.9	37.5	25.4
87.5°	0.0	0.0	33.8	32.6	4.8	7.3	13.3	19.3	15.7	15.7	13.3
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°	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3	2340.3
2.5°	2386.2	2320.9	2197.6	2076.7	1975.2	1891.8	1816.8	1786.6	1762.4	1758.8	1739.5
5°	2492.6	2360.8	2125.1	1931.7	1802.3	1710.5	1631.9	1583.5	1546.1	1531.6	1518.3
7.5°	2653.3	2453.9	2115.4	1893.0	1738.3	1583.5	1438.5	1281.3	1183.4	1146.0	1124.2
10°	2849.2	2577.2	2151.7	1882.1	1611.3	1285.0	1044.4	845.0	764.0	737.4	730.1
12.5°	3077.6	2730.7	2214.5	1814.4	1340.6	912.7	720.5	652.8	634.6	626.2	626.2
15°	3339.9	2898.7	2259.3	1618.6	991.2	690.2	623.7	592.3	573.0	562.1	563.3
17.5°	3608.3	3063.1	2237.5	1334.5	731.3	614.1	564.5	530.7	504.1	493.2	490.8
20°	3879.1	3215.4	2116.6	993.6	618.9	557.3	501.7	464.2	437.6	426.7	424.3
22.5°	4159.5	3344.8	1903.9	728.9	556.1	494.4	440.0	402.5	377.1	367.5	362.6
25°	4432.7	3450.0	1606.5	589.9	496.8	435.2	383.2	348.1	325.2	315.5	314.3
27.5°	4687.8	3516.4	1262.0	521.0	444.8	382.0	334.8	303.4	284.1	276.8	275.6
30°	4917.5	3522.5	933.2	470.2	398.9	336.0	292.5	264.7	247.8	240.6	238.1
32.5°	5149.5	3471.7	679.4	424.3	356.6	296.2	253.9	232.1	220.0	214.0	214.0
35°	5368.3	3354.5	529.5	384.4	315.5	257.5	223.6	207.9	200.7	194.6	194.6
37.5°	5582.3	3186.4	449.7	349.3	276.8	224.8	197.0	187.4	181.3	175.3	175.3
40°	5799.9	2974.9	408.6	316.7	245.4	199.5	175.3	166.8	160.8	155.9	154.7
42.5°	6067.0	2730.7	382.0	286.5	217.6	176.5	154.7	145.1	140.2	135.4	133.0
45°	6376.5	2520.4	360.2	256.3	194.6	157.1	134.2	124.5	117.3	111.2	110.0
47.5°	6822.5	2368.1	331.2	223.6	172.9	136.6	116.0	105.2	94.3	88.2	87.0
50°	7391.9	2242.3	293.7	194.6	151.1	116.0	96.7	83.4	73.7	67.7	67.7
52.5°	7674.8	2077.9	259.9	169.2	126.9	97.9	78.6	62.9	58.0	52.0	52.0
55°	7788.4	1952.2	226.0	143.8	105.2	81.0	61.6	48.4	44.7	41.1	39.9
57.5°	8107.5	1916.0	197.0	122.1	87.0	64.1	47.1	36.3	33.8	29.0	29.0
60°	8621.3	1934.1	170.4	104.0	70.1	49.6	35.1	27.8	25.4	20.5	20.5
62.5°	9176.1	1911.1	143.8	89.5	54.4	36.3	24.2	20.5	20.5	12.1	10.9
65°	9282.5	1702.0	123.3	73.7	42.3	26.6	15.7	13.3	18.1	2.4	0.0
67.5°	8615.2	1320.0	106.4	56.8	31.4	20.5	12.1	6.0	15.7	0.0	0.0
70°	6889.0	838.9	85.8	41.1	24.2	16.9	9.7	2.4	12.1	0.0	0.0
72.5°	4871.5	487.2	67.7	29.0	20.5	13.3	7.3	0.0	7.3	0.0	0.0
75°	2463.6	259.9	42.3	21.8	15.7	9.7	4.8	0.0	1.2	0.0	0.0
77.5°	533.1	120.9	26.6	15.7	10.9	6.0	2.4	0.0	0.0	0.0	0.0
80°	116.0	53.2	16.9	9.7	6.0	3.6	0.0	0.0	0.0	0.0	0.0
82.5°	42.3	27.8	8.5	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.0	14.5	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.1	4.8	1.2	1.2	0.0	0.0	0.0	0.0	0.0	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)