

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: P560062

Luminaire Tested: **SDL-PA1-20-750-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-750-U-T4W-A
Description: Springdale
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2542.1 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 21
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



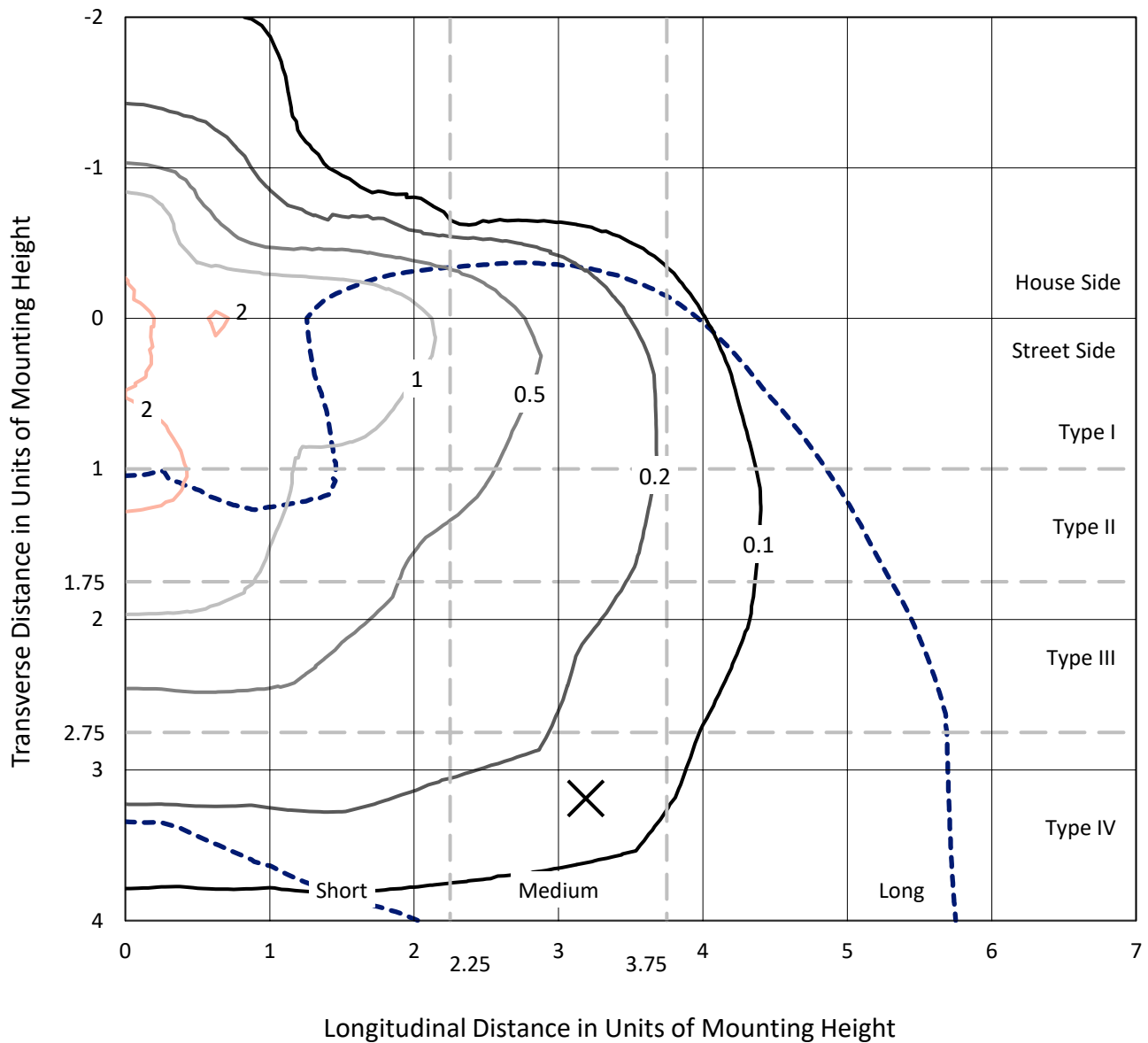
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

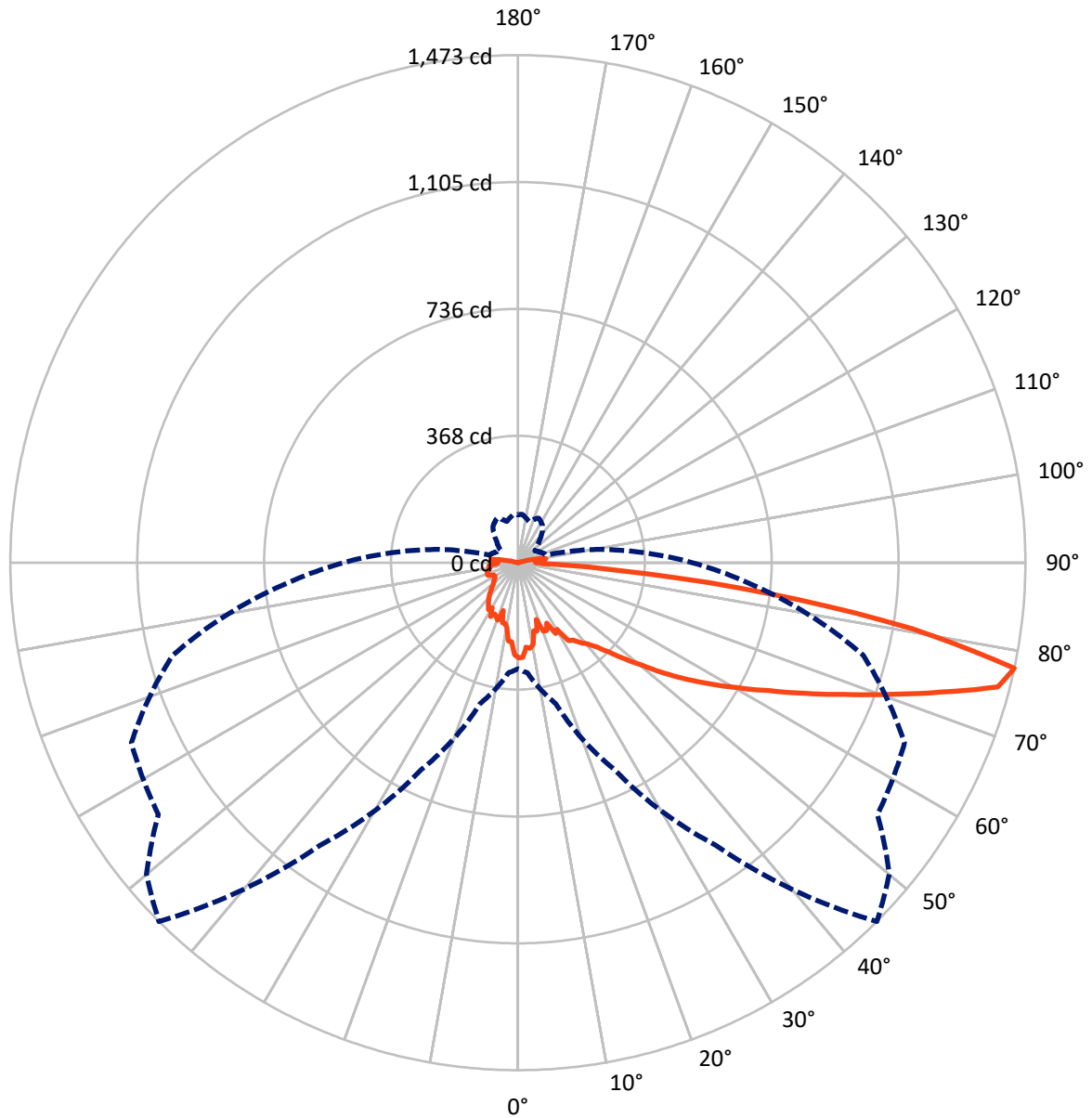


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

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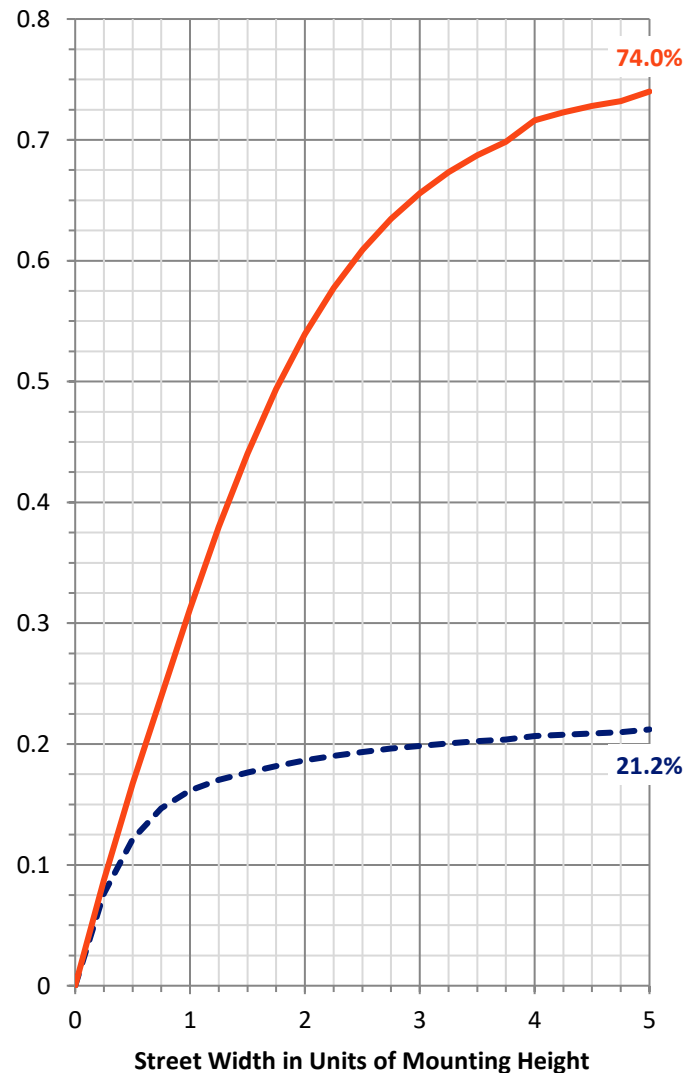
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	569.0	42.4	611.5
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	1896.3	34.3	1930.6
	% Fixture	74.6	1.4	75.9
Total	Lumens	2465.3	76.8	2542.1
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	0.9
10°-20°	56.8	2.2
20°-30°	98.3	3.9
30°-40°	174.2	6.9
40°-50°	270.0	10.6
50°-60°	434.7	17.1
60°-70°	639.3	25.1
70°-80°	615.5	24.2
80°-90°	153.5	6.0
90°-100°	57.2	2.3
100°-110°	12.7	0.5
110°-120°	2.7	0.1
120°-130°	2.3	0.1
130°-140°	1.0	0.0
140°-150°	0.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2465.3	97.0
0°-180°	2542.1	100.0



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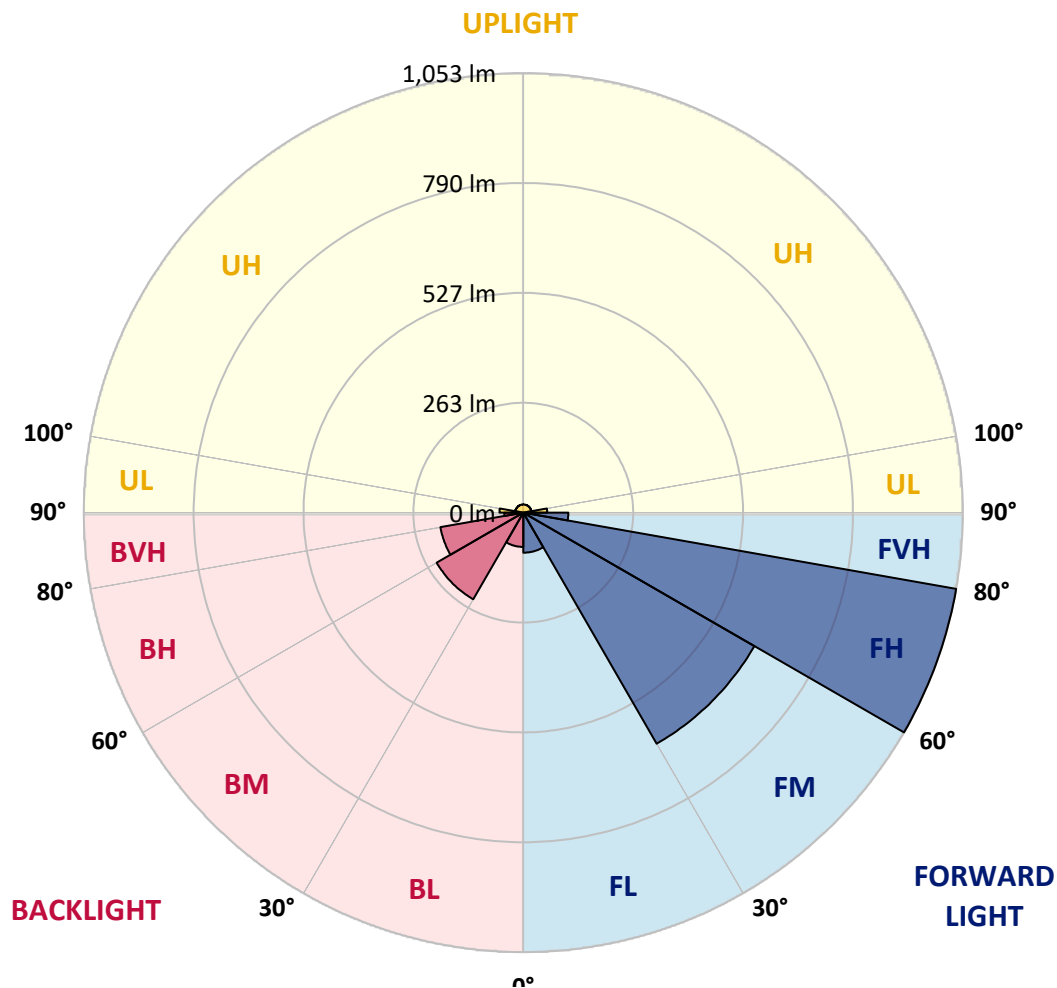
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.0	3.8			
FM	(30°-60°)	639.4	25.2			
FH	(60°-80°)	1053.2	41.4			G1/1800
FVH	(80°-90°)	107.8	4.2			G2/225
BL	(0°-30°)	82.1	3.2	B0/110		
BM	(30°-60°)	239.6	9.4	B1/1000		
BH	(60°-80°)	201.6	7.9	B1/500		G1/500
BVH	(80°-90°)	45.7	1.8			G1/100
UL	(90°-100°)	57.2	2.3		U3/500	
UH	(100°-180°)	19.5	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0
2.5°	251.0	275.0	271.0	274.0	274.0	275.0	276.0	276.0	277.0	276.0	276.0
5°	256.0	255.0	253.0	251.0	249.0	246.0	246.0	246.0	270.0	272.0	270.0
7.5°	239.0	260.0	258.0	254.0	254.0	251.0	247.0	243.0	236.0	234.0	237.0
10°	270.0	269.0	266.0	260.0	238.0	242.0	217.0	196.0	188.0	193.0	206.0
12.5°	240.0	257.0	264.0	264.0	236.0	203.0	181.0	193.0	186.0	166.0	181.0
15°	283.0	281.0	273.0	260.0	207.0	206.0	194.0	170.0	173.0	188.0	202.0
17.5°	242.0	242.0	271.0	248.0	213.0	173.0	172.0	191.0	175.0	167.0	175.0
20°	292.0	291.0	282.0	206.0	215.0	212.0	175.0	195.0	167.0	192.0	210.0
22.5°	248.0	246.0	260.0	247.0	205.0	214.0	164.0	185.0	199.0	176.0	163.0
25°	292.0	294.0	290.0	220.0	233.0	194.0	198.0	211.0	183.0	223.0	232.0
27.5°	257.0	257.0	246.0	246.0	216.0	233.0	186.0	198.0	218.0	241.0	283.0
30°	315.0	316.0	309.0	237.0	239.0	224.0	216.0	230.0	262.0	313.0	332.0
32.5°	384.9	384.9	331.0	283.0	240.0	270.0	228.0	251.0	297.0	323.0	348.0
35°	428.9	423.9	399.9	318.0	259.0	276.0	258.0	267.0	308.0	346.0	364.0
37.5°	491.9	489.9	465.9	349.0	278.0	294.0	268.0	278.0	328.0	363.0	383.9
40°	578.9	568.9	547.9	402.9	301.0	310.0	280.0	292.0	352.0	384.9	409.9
42.5°	647.9	649.9	634.9	466.9	339.0	333.0	301.0	310.0	377.9	418.9	446.9
45°	711.9	709.9	712.9	543.9	385.9	369.9	338.0	339.0	410.9	460.9	498.9
47.5°	755.9	754.9	761.9	615.9	445.9	416.9	378.9	374.9	448.9	532.9	569.9
50°	808.9	805.9	801.9	692.9	513.9	467.9	432.9	418.9	497.9	613.9	659.9
52.5°	873.9	866.9	853.9	752.9	588.9	532.9	493.9	474.9	563.9	704.9	763.9
55°	935.9	925.9	914.9	819.9	657.9	597.9	555.9	544.9	649.9	798.9	874.9
57.5°	996.9	991.9	982.9	908.9	745.9	665.9	618.9	616.9	749.9	889.9	993.9
60°	1053.9	1045.9	1057.9	1004.9	827.9	737.9	687.9	702.9	859.9	980.9	1125.8
62.5°	1088.9	1085.9	1111.8	1092.9	903.9	817.9	766.9	792.9	965.9	1069.9	1242.8
65°	1036.9	1044.9	1147.8	1147.8	991.9	912.9	862.9	878.9	1065.9	1159.8	1349.8
67.5°	941.9	952.9	1092.9	1178.8	1070.9	1019.9	967.9	976.9	1154.8	1232.8	1436.8
70°	860.9	868.9	998.9	1180.8	1120.8	1143.8	1068.9	1060.9	1223.8	1293.8	1468.8
72.5°	789.9	800.9	907.9	1168.8	1169.8	1284.8	1188.8	1140.8	1286.8	1316.8	1366.8
75°	625.9	620.9	741.9	1027.9	1185.8	1438.8	1329.8	1229.8	1317.8	1237.8	1071.9
77.5°	308.0	321.0	422.9	661.9	1000.9	1472.8	1406.8	1273.8	1237.8	1036.9	668.9
80°	91.0	94.0	118.0	237.0	574.9	1159.8	1161.8	1053.9	930.9	605.9	302.0
82.5°	51.0	52.0	68.0	103.0	236.0	734.9	764.9	632.9	411.9	224.0	151.0
85°	27.0	28.0	35.0	54.0	120.0	293.0	311.0	242.0	199.0	146.0	111.0
87.5°	13.0	13.0	12.0	18.0	44.0	71.0	79.0	90.0	80.0	75.0	92.0
90°	11.0	11.0	9.0	10.0	24.0	51.0	62.0	69.0	63.0	69.0	101.0
92.5°	12.0	12.0	9.0	10.0	26.0	57.0	68.0	77.0	67.0	74.0	112.0
95°	11.0	12.0	8.0	9.0	26.0	70.0	82.0	84.0	69.0	81.0	120.0
97.5°	9.0	9.0	6.0	7.0	23.0	82.0	90.0	87.0	61.0	62.0	96.0
100°	7.0	7.0	4.0	6.0	16.0	66.0	77.0	73.0	40.0	10.0	24.0
102.5°	6.0	6.0	3.0	5.0	7.0	32.0	41.0	40.0	24.0	6.0	5.0
105°	6.0	6.0	3.0	4.0	4.0	9.0	14.0	18.0	10.0	3.0	5.0
107.5°	6.0	6.0	3.0	2.0	2.0	4.0	5.0	5.0	5.0	3.0	6.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	6.0	6.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	3.0	6.0
115°	5.0	5.0	1.0	2.0	1.0	1.0	2.0	1.0	2.0	2.0	5.0
117.5°	5.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	6.0
120°	5.0	5.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	7.0
122.5°	5.0	5.0	2.0	1.0	0.0	1.0	1.0	1.0	2.0	4.0	8.0
125°	6.0	5.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0	4.0	7.0
127.5°	5.0	4.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0	3.0	6.0
130°	5.0	4.0	2.0	0.0	0.0	0.0	1.0	1.0	1.0	3.0	5.0
132.5°	4.0	3.0	2.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	4.0
135°	3.0	3.0	1.0	0.0	1.0	0.0	1.0	1.0	1.0	1.0	3.0
137.5°	2.0	2.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
140°	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	3.0	3.0	3.0	2.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0
152.5°	3.0	3.0	3.0	2.0	0.0	0.0	1.0	1.0	2.0	1.0	1.0
155°	2.0	2.0	2.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	2.0
157.5°	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0
2.5°	275.0	274.0	273.0	272.0	270.0	268.0	263.0	242.0	242.0	243.0	243.0
5°	270.0	269.0	266.0	247.0	236.0	230.0	232.0	232.0	232.0	233.0	235.0
7.5°	236.0	235.0	221.0	220.0	224.0	229.0	232.0	227.0	217.0	217.0	217.0
10°	206.0	205.0	180.0	175.0	180.0	192.0	223.0	229.0	233.0	234.0	236.0
12.5°	180.0	177.0	155.0	171.0	160.0	180.0	208.0	231.0	210.0	206.0	206.0
15°	200.0	199.0	173.0	150.0	151.0	180.0	165.0	217.0	229.0	231.0	232.0
17.5°	175.0	173.0	159.0	158.0	167.0	145.0	183.0	207.0	197.0	200.0	200.0
20°	209.0	208.0	182.0	151.0	149.0	177.0	162.0	188.0	224.0	231.0	232.0
22.5°	162.0	162.0	167.0	177.0	161.0	169.0	173.0	199.0	192.0	196.0	208.0
25°	230.0	228.0	202.0	159.0	173.0	163.0	181.0	189.0	222.0	230.0	232.0
27.5°	279.0	274.0	217.0	179.0	156.0	175.0	174.0	183.0	188.0	219.0	223.0
30°	329.0	324.0	279.0	201.0	162.0	151.0	166.0	196.0	226.0	231.0	235.0
32.5°	347.0	343.0	285.0	213.0	163.0	161.0	165.0	196.0	248.0	268.0	272.0
35°	365.9	361.0	291.0	208.0	159.0	150.0	156.0	202.0	247.0	260.0	263.0
37.5°	388.9	379.9	298.0	198.0	148.0	142.0	149.0	184.0	235.0	248.0	250.0
40°	417.9	408.9	307.0	187.0	137.0	132.0	136.0	171.0	206.0	217.0	222.0
42.5°	461.9	444.9	311.0	178.0	127.0	122.0	126.0	154.0	181.0	188.0	191.0
45°	518.9	488.9	317.0	166.0	118.0	111.0	117.0	141.0	154.0	154.0	154.0
47.5°	588.9	540.9	320.0	156.0	107.0	101.0	107.0	128.0	135.0	131.0	130.0
50°	674.9	606.9	335.0	144.0	98.0	93.0	103.0	113.0	116.0	118.0	118.0
52.5°	775.9	682.9	344.0	132.0	92.0	89.0	99.0	106.0	107.0	109.0	109.0
55°	885.9	765.9	349.0	121.0	88.0	84.0	95.0	102.0	102.0	104.0	104.0
57.5°	999.9	861.9	362.0	113.0	84.0	80.0	91.0	103.0	99.0	103.0	104.0
60°	1119.8	950.9	351.0	105.0	78.0	77.0	92.0	110.0	109.0	114.0	115.0
62.5°	1232.8	1021.9	302.0	98.0	74.0	78.0	103.0	124.0	121.0	129.0	129.0
65°	1296.8	1045.9	222.0	94.0	71.0	84.0	114.0	138.0	128.0	132.0	130.0
67.5°	1310.8	1021.9	160.0	89.0	70.0	94.0	122.0	141.0	127.0	131.0	131.0
70°	1277.8	965.9	129.0	85.0	69.0	95.0	124.0	141.0	128.0	137.0	135.0
72.5°	1128.8	821.9	110.0	81.0	69.0	93.0	127.0	142.0	131.0	146.0	143.0
75°	850.9	614.9	97.0	77.0	65.0	90.0	129.0	143.0	127.0	143.0	141.0
77.5°	505.9	351.0	86.0	72.0	60.0	87.0	127.0	143.0	124.0	141.0	139.0
80°	214.0	165.0	73.0	63.0	55.0	83.0	125.0	142.0	119.0	137.0	134.0
82.5°	135.0	112.0	62.0	52.0	54.0	82.0	126.0	140.0	117.0	138.0	128.0
85°	109.0	92.0	53.0	44.0	50.0	84.0	121.0	127.0	101.0	119.0	116.0
87.5°	92.0	77.0	24.0	19.0	37.0	65.0	92.0	95.0	73.0	93.0	89.0
90°	101.0	84.0	23.0	16.0	33.0	57.0	85.0	83.0	70.0	89.0	88.0
92.5°	110.0	89.0	22.0	17.0	37.0	62.0	93.0	84.0	74.0	90.0	89.0
95°	114.0	91.0	21.0	18.0	44.0	68.0	99.0	82.0	78.0	83.0	82.0
97.5°	86.0	66.0	20.0	19.0	46.0	77.0	93.0	69.0	51.0	51.0	50.0
100°	22.0	22.0	18.0	18.0	31.0	56.0	71.0	51.0	29.0	22.0	23.0
102.5°	6.0	7.0	16.0	17.0	17.0	25.0	40.0	33.0	19.0	3.0	3.0
105°	6.0	6.0	11.0	13.0	9.0	8.0	16.0	18.0	14.0	2.0	3.0
107.5°	6.0	6.0	5.0	7.0	3.0	4.0	4.0	5.0	5.0	2.0	2.0



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CATALOG NUMBER: SDL-PA1-20-750-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.0	6.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0	5.0
115°	6.0	5.0	3.0	2.0	2.0	2.0	2.0	1.0	2.0	6.0	6.0
117.5°	7.0	6.0	3.0	2.0	1.0	2.0	2.0	1.0	2.0	7.0	7.0
120°	8.0	7.0	3.0	2.0	1.0	1.0	1.0	1.0	3.0	7.0	7.0
122.5°	8.0	8.0	4.0	1.0	1.0	1.0	1.0	1.0	3.0	7.0	7.0
125°	8.0	7.0	3.0	1.0	1.0	1.0	0.0	1.0	3.0	7.0	8.0
127.5°	6.0	6.0	3.0	1.0	1.0	1.0	0.0	1.0	3.0	6.0	7.0
130°	5.0	5.0	2.0	1.0	1.0	1.0	0.0	1.0	3.0	6.0	6.0
132.5°	4.0	4.0	2.0	1.0	1.0	0.0	0.0	0.0	3.0	5.0	5.0
135°	3.0	3.0	1.0	1.0	1.0	0.0	0.0	0.0	2.0	4.0	4.0
137.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	2.0	1.0	2.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	2.0	2.0	2.0
155°	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	2.0
157.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245982



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110°	7.0	7.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	6.0
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110° | 7.0 6.0 3.0 3.0 2.0 2.0 2.0 2.0 2.0 4.0 4.0



(END OF REPORT)