

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: P560051

Luminaire Tested: **SDL-PA1-20-750-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
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-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2094.9 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B0 - U2 - G1

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



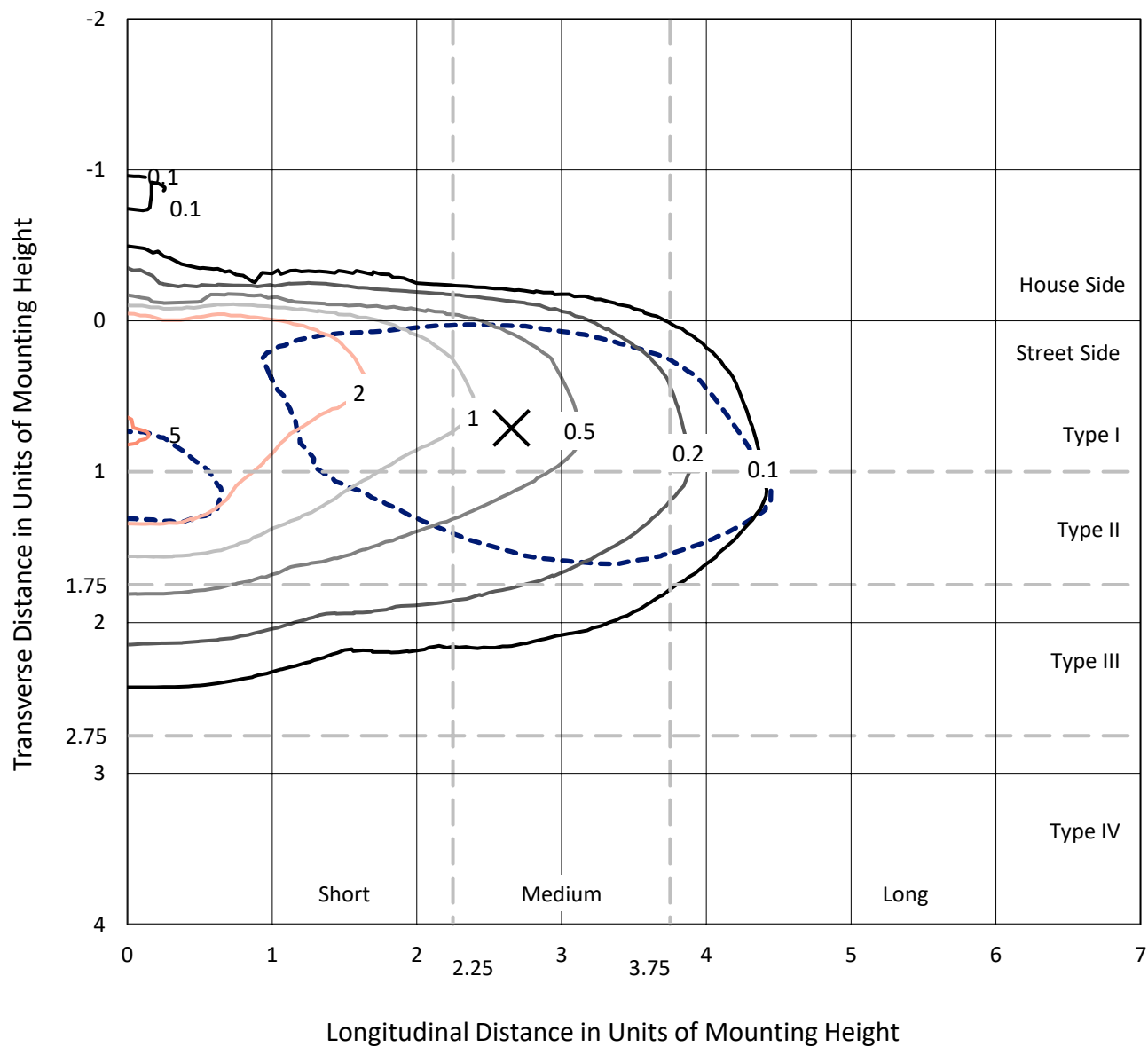
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

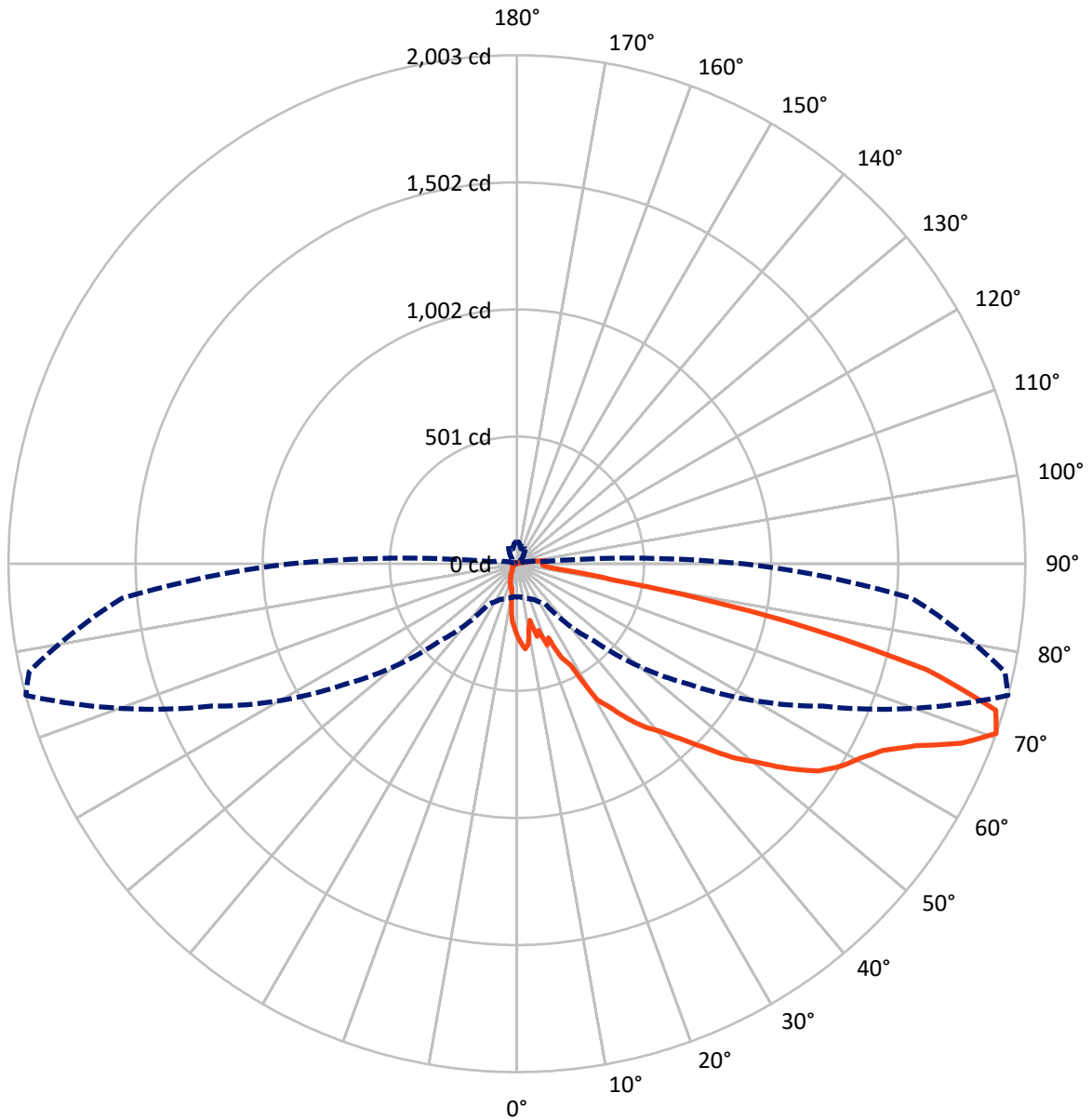


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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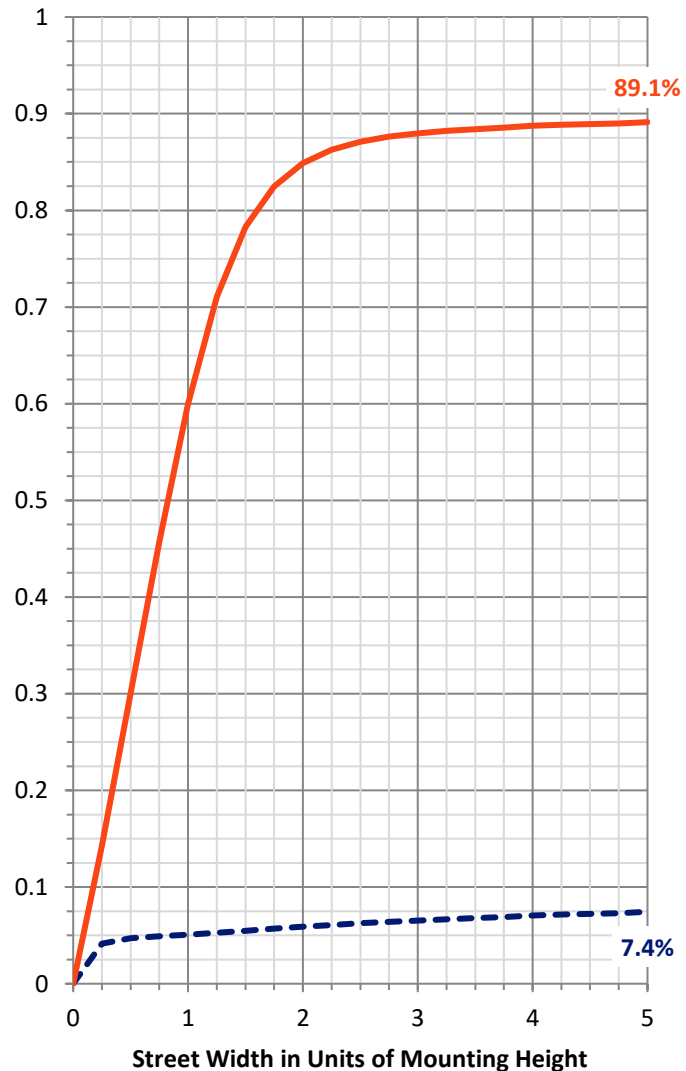
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	170.7	21.2	191.9
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	1876.4	26.7	1903.0
	% Fixture	89.6	1.3	90.8
Total	Lumens	2047.1	47.9	2094.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	1.1
10°-20°	55.3	2.6
20°-30°	103.7	4.9
30°-40°	232.7	11.1
40°-50°	382.9	18.3
50°-60°	469.4	22.4
60°-70°	439.6	21.0
70°-80°	286.3	13.7
80°-90°	54.7	2.6
90°-100°	31.4	1.5
100°-110°	7.0	0.3
110°-120°	3.6	0.2
120°-130°	3.0	0.1
130°-140°	1.5	0.1
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2047.1	97.7
0°-180°	2094.9	100.0



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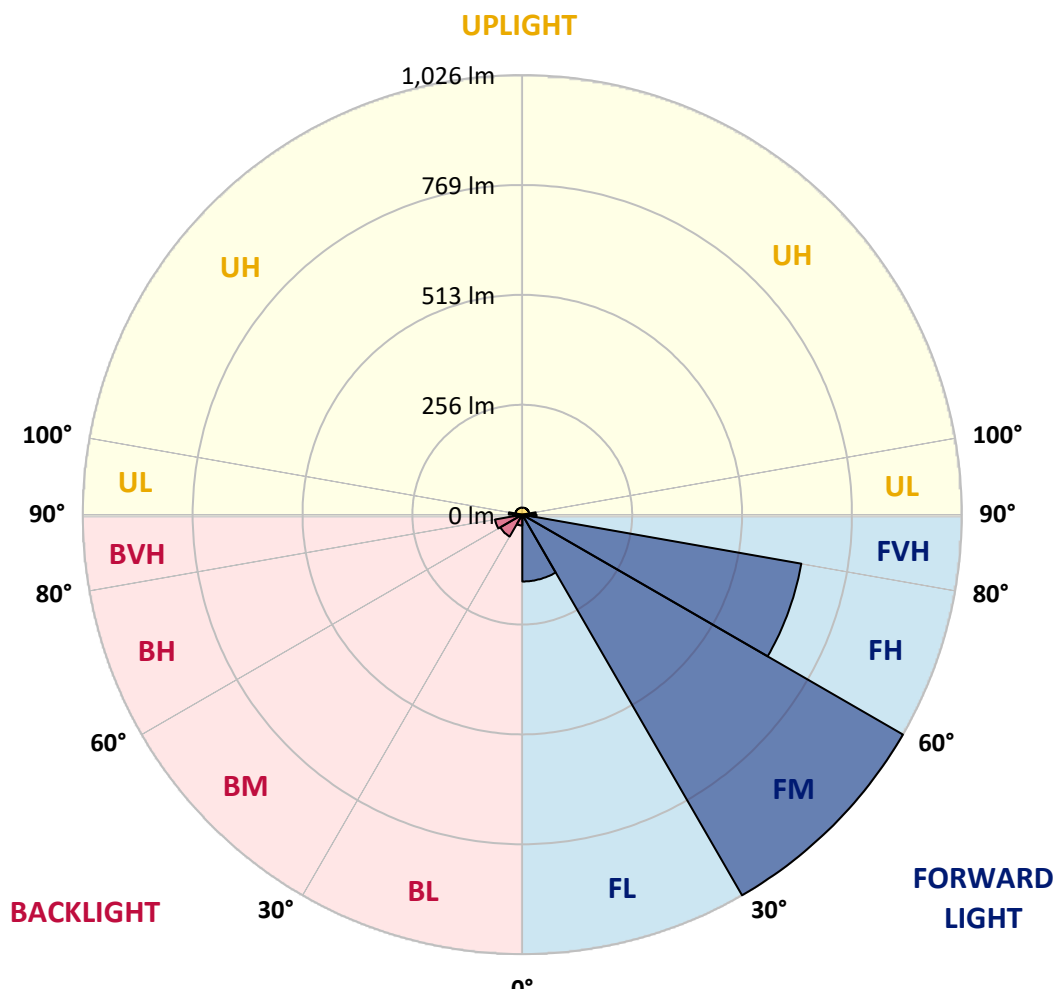
CATALOG NUMBER: SDL-PA1-20-750-U-T2R-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.1	7.4			
FM	(30°-60°)	1025.9	49.0			
FH	(60°-80°)	661.3	31.6			G1/1800
FVH	(80°-90°)	33.1	1.6			G1/100
BL	(0°-30°)	25.5	1.2	B0/110		
BM	(30°-60°)	59.0	2.8	B0/220		
BH	(60°-80°)	64.6	3.1	B0/110		G0/110
BVH	(80°-90°)	21.6	1.0			G1/100
UL	(90°-100°)	31.4	1.5		U2/50	
UH	(100°-180°)	16.5	0.8		U2/50	

BUG Rating: B0-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0
2.5°	318.0	338.0	344.0	354.0	359.0	353.0	342.0	328.0	313.0	309.0	296.0
5°	361.0	357.0	354.0	354.0	348.0	335.0	323.0	360.0	337.0	332.0	306.0
7.5°	328.0	359.0	382.0	384.0	381.0	371.0	354.0	316.0	321.0	315.0	283.0
10°	397.0	398.0	394.0	397.0	369.0	355.0	300.0	277.0	259.0	283.0	254.0
12.5°	329.0	378.0	406.0	416.0	381.0	335.0	307.0	295.0	229.0	223.0	230.0
15°	402.0	404.0	407.0	397.0	309.0	351.0	285.0	263.0	297.0	289.0	284.0
17.5°	318.0	322.0	390.0	386.0	358.0	278.0	339.0	302.0	276.0	266.0	259.0
20°	405.0	406.0	405.0	307.0	334.0	374.0	319.0	309.0	342.0	338.0	320.0
22.5°	340.0	340.0	363.0	394.0	351.0	375.0	325.0	385.0	318.0	316.0	238.0
25°	470.0	470.0	454.0	348.0	398.0	353.0	386.0	346.0	411.0	397.0	357.0
27.5°	457.0	443.0	418.0	439.0	385.0	442.0	374.0	422.0	453.0	466.0	445.0
30°	635.0	635.0	608.0	470.0	451.0	427.0	432.0	505.0	621.0	623.0	538.0
32.5°	860.0	844.0	701.0	606.0	493.0	536.0	488.0	594.0	675.0	672.0	572.0
35°	952.0	947.0	903.0	744.0	571.0	587.0	550.0	628.0	748.0	728.0	613.0
37.5°	1046.0	1038.0	993.0	822.0	653.0	674.0	596.0	678.0	815.0	786.0	658.0
40°	1104.0	1105.0	1073.0	884.0	718.0	729.0	651.0	739.0	869.0	875.0	697.0
42.5°	1165.1	1164.1	1138.0	957.0	772.0	786.0	695.0	797.0	942.0	949.0	763.0
45°	1198.1	1196.1	1181.1	1007.0	815.0	825.0	763.0	868.0	1031.0	1029.0	817.0
47.5°	1206.1	1209.1	1208.1	1056.0	860.0	864.0	824.0	920.0	1139.0	1117.0	888.0
50°	1161.1	1163.1	1177.1	1095.0	893.0	897.0	872.0	979.0	1230.1	1204.1	952.0
52.5°	1036.0	1048.0	1107.0	1071.0	907.0	922.0	917.0	1024.0	1341.1	1309.1	1031.0
55°	770.0	798.0	933.0	981.0	900.0	923.0	957.0	1106.0	1442.1	1403.1	1095.0
57.5°	614.0	619.0	699.0	831.0	843.0	918.0	999.0	1156.1	1505.1	1466.1	1141.0
60°	485.0	493.0	545.0	651.0	736.0	888.0	1011.0	1207.1	1555.1	1522.1	1192.1
62.5°	376.0	375.0	415.0	486.0	593.0	825.0	995.0	1238.1	1619.1	1594.1	1283.1
65°	262.0	262.0	296.0	353.0	449.0	712.0	963.0	1282.1	1728.1	1721.1	1396.1
67.5°	179.0	183.0	206.0	234.0	308.0	579.0	915.0	1327.1	1887.1	1854.1	1505.1
70°	131.0	131.0	140.0	155.0	192.0	432.0	829.0	1328.1	2003.1	1969.1	1562.1
72.5°	97.0	97.0	104.0	111.0	121.0	287.0	680.0	1244.1	1973.1	1919.1	1446.1
75°	51.0	51.0	79.0	82.0	81.0	186.0	502.0	1022.0	1668.1	1578.1	1132.0
77.5°	40.0	41.0	45.0	64.0	59.0	122.0	280.0	629.0	1078.0	968.0	613.0
80°	29.0	28.0	35.0	41.0	35.0	71.0	132.0	276.0	382.0	331.0	202.0
82.5°	17.0	18.0	21.0	30.0	30.0	50.0	86.0	121.0	137.0	136.0	121.0
85°	2.0	3.0	11.0	20.0	18.0	29.0	72.0	84.0	108.0	110.0	108.0
87.5°	2.0	2.0	3.0	4.0	5.0	19.0	61.0	73.0	100.0	107.0	108.0
90°	4.0	3.0	2.0	2.0	3.0	15.0	57.0	75.0	106.0	108.0	113.0
92.5°	5.0	4.0	2.0	1.0	3.0	12.0	54.0	75.0	110.0	117.0	122.0
95°	7.0	6.0	2.0	1.0	3.0	10.0	46.0	71.0	115.0	127.0	132.0
97.5°	9.0	8.0	2.0	2.0	3.0	8.0	36.0	56.0	76.0	86.0	93.0
100°	10.0	10.0	2.0	2.0	3.0	5.0	18.0	31.0	24.0	23.0	26.0
102.5°	11.0	11.0	2.0	2.0	2.0	3.0	6.0	13.0	5.0	5.0	8.0
105°	11.0	11.0	2.0	2.0	2.0	2.0	2.0	5.0	4.0	5.0	9.0
107.5°	10.0	11.0	2.0	3.0	3.0	2.0	2.0	2.0	4.0	6.0	9.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	7.0	5.0	1.0	3.0	2.0	2.0	1.0	2.0	5.0	7.0	10.0
115°	3.0	2.0	1.0	2.0	2.0	2.0	1.0	2.0	5.0	8.0	10.0
117.5°	2.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0	7.0	9.0	12.0
120°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	9.0	10.0	14.0
122.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	9.0	10.0	14.0
125°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	7.0	9.0	12.0
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.0	7.0	10.0
130°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	6.0	8.0
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	4.0	6.0
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	4.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
150°	2.0	3.0	5.0	4.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0
152.5°	5.0	5.0	4.0	4.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
155°	4.0	4.0	3.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0	3.0
157.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	1.0	1.0	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°	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0
2.5°	286.0	276.0	254.0	237.0	219.0	209.0	190.0	174.0	162.0	160.0	160.0
5°	286.0	266.0	227.0	185.0	146.0	126.0	115.0	108.0	103.0	101.0	100.0
7.5°	256.0	230.0	178.0	129.0	112.0	94.0	81.0	71.0	62.0	59.0	56.0
10°	224.0	192.0	121.0	89.0	71.0	59.0	53.0	50.0	47.0	46.0	46.0
12.5°	199.0	166.0	97.0	73.0	50.0	42.0	40.0	38.0	37.0	36.0	35.0
15°	243.0	199.0	101.0	50.0	35.0	30.0	28.0	29.0	31.0	31.0	31.0
17.5°	225.0	175.0	84.0	38.0	29.0	22.0	24.0	26.0	28.0	25.0	24.0
20°	269.0	206.0	82.0	30.0	24.0	22.0	21.0	18.0	23.0	23.0	23.0
22.5°	195.0	156.0	62.0	28.0	20.0	19.0	16.0	18.0	19.0	16.0	16.0
25°	289.0	203.0	61.0	22.0	20.0	15.0	16.0	13.0	16.0	16.0	16.0
27.5°	358.0	240.0	54.0	23.0	17.0	15.0	12.0	13.0	12.0	12.0	12.0
30°	426.0	270.0	49.0	23.0	16.0	12.0	11.0	10.0	12.0	12.0	12.0
32.5°	446.0	263.0	39.0	24.0	15.0	11.0	9.0	10.0	10.0	11.0	11.0
35°	469.0	257.0	33.0	21.0	14.0	10.0	8.0	9.0	10.0	11.0	11.0
37.5°	491.0	247.0	30.0	19.0	12.0	9.0	7.0	8.0	21.0	23.0	23.0
40°	519.0	235.0	28.0	17.0	10.0	7.0	6.0	16.0	19.0	22.0	22.0
42.5°	559.0	228.0	26.0	16.0	9.0	6.0	6.0	14.0	27.0	30.0	30.0
45°	592.0	216.0	25.0	14.0	8.0	5.0	10.0	19.0	22.0	28.0	27.0
47.5°	633.0	205.0	24.0	13.0	7.0	5.0	11.0	20.0	28.0	32.0	32.0
50°	677.0	199.0	23.0	12.0	7.0	5.0	19.0	19.0	23.0	36.0	36.0
52.5°	733.0	195.0	21.0	10.0	6.0	10.0	26.0	23.0	28.0	37.0	37.0
55°	760.0	182.0	20.0	9.0	5.0	10.0	28.0	26.0	29.0	39.0	39.0
57.5°	784.0	169.0	18.0	9.0	5.0	13.0	30.0	33.0	28.0	34.0	38.0
60°	806.0	156.0	16.0	8.0	5.0	16.0	33.0	46.0	39.0	46.0	46.0
62.5°	857.0	146.0	14.0	9.0	4.0	18.0	43.0	56.0	44.0	56.0	55.0
65°	905.0	134.0	13.0	8.0	5.0	21.0	47.0	65.0	48.0	65.0	65.0
67.5°	924.0	119.0	12.0	8.0	5.0	24.0	47.0	72.0	57.0	73.0	74.0
70°	891.0	98.0	11.0	9.0	6.0	27.0	49.0	77.0	61.0	85.0	85.0
72.5°	757.0	67.0	11.0	10.0	12.0	30.0	58.0	80.0	64.0	102.0	103.0
75°	565.0	38.0	12.0	11.0	13.0	34.0	64.0	83.0	67.0	103.0	103.0
77.5°	322.0	26.0	12.0	13.0	16.0	34.0	67.0	86.0	66.0	101.0	99.0
80°	112.0	19.0	12.0	15.0	20.0	34.0	68.0	85.0	64.0	94.0	94.0
82.5°	76.0	16.0	12.0	15.0	24.0	36.0	67.0	80.0	57.0	79.0	76.0
85°	71.0	13.0	13.0	16.0	26.0	36.0	61.0	69.0	48.0	59.0	58.0
87.5°	70.0	12.0	15.0	17.0	28.0	33.0	52.0	57.0	39.0	48.0	47.0
90°	73.0	12.0	16.0	18.0	26.0	27.0	42.0	48.0	32.0	38.0	37.0
92.5°	78.0	12.0	17.0	20.0	23.0	20.0	34.0	38.0	27.0	29.0	28.0
95°	83.0	12.0	19.0	21.0	19.0	15.0	26.0	31.0	22.0	21.0	21.0
97.5°	55.0	9.0	20.0	21.0	16.0	11.0	20.0	24.0	13.0	11.0	11.0
100°	18.0	7.0	21.0	22.0	15.0	8.0	17.0	18.0	10.0	5.0	5.0
102.5°	8.0	7.0	19.0	19.0	13.0	6.0	12.0	13.0	7.0	2.0	2.0
105°	7.0	4.0	11.0	14.0	9.0	3.0	6.0	7.0	4.0	2.0	2.0
107.5°	8.0	4.0	6.0	8.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0



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CATALOG NUMBER: SDL-PA1-20-750-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.0	4.0	3.0	4.0	3.0	3.0	2.0	2.0	4.0	7.0	7.0
115°	9.0	4.0	3.0	4.0	3.0	3.0	2.0	1.0	4.0	10.0	11.0
117.5°	10.0	5.0	2.0	3.0	2.0	2.0	2.0	1.0	5.0	13.0	13.0
120°	12.0	5.0	2.0	2.0	2.0	1.0	2.0	2.0	5.0	14.0	14.0
122.5°	12.0	6.0	2.0	2.0	2.0	1.0	1.0	2.0	6.0	13.0	14.0
125°	10.0	5.0	2.0	2.0	2.0	1.0	1.0	2.0	6.0	12.0	14.0
127.5°	8.0	5.0	2.0	2.0	2.0	1.0	1.0	2.0	6.0	10.0	11.0
130°	7.0	4.0	2.0	2.0	2.0	1.0	1.0	2.0	5.0	8.0	9.0
132.5°	5.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	5.0	8.0	8.0
135°	4.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	4.0	6.0	6.0
137.5°	2.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	3.0	3.0	3.0
140°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0
142.5°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
155°	2.0	2.0	1.0	2.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	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



Report Generated By 670245982



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110° | 9.0 9.0 2.0 3.0 3.0 2.0 1.0 2.0 4.0 6.0 10.0



110° | 8.0 4.0 3.0 5.0 4.0 3.0 2.0 2.0 2.0 3.0 3.0



(END OF REPORT)