

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: PORTFOLIO

Report Number: P245874

Luminaire Tested: **LSR8B10D010 EC8B109727 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245874  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B109727 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 735.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

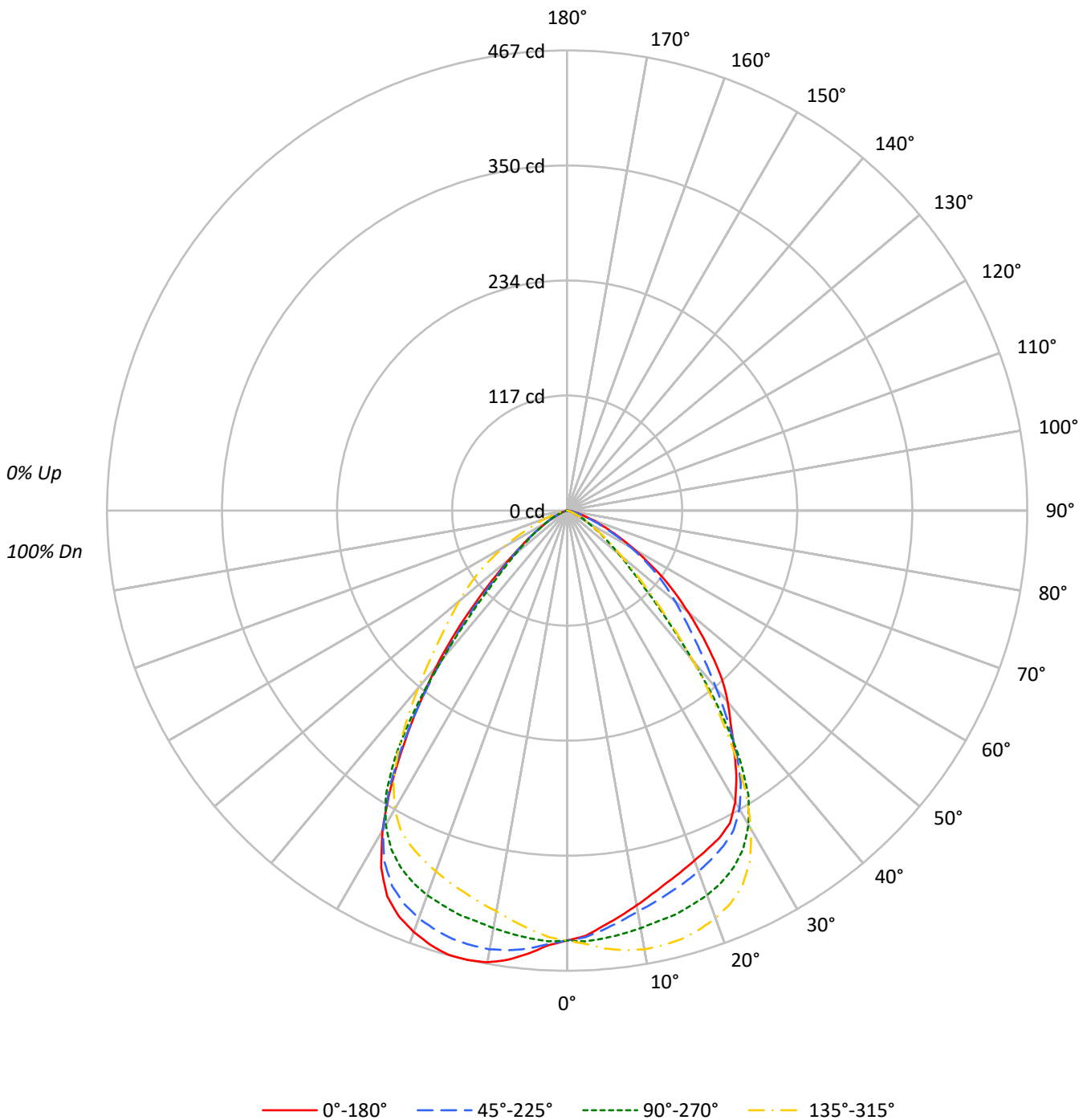
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	13454	13454	13454	13454
5°	13097	13487	13970	13487
10°	12735	13470	14576	13470
15°	12482	13549	14896	13549
20°	12398	13628	14934	13628
25°	12460	13599	14695	13599
30°	12153	13103	13338	13103
35°	11116	11429	10845	11429
40°	10204	7950	8300	7950
45°	9066	4849	5612	4849
50°	7676	3238	3598	3238
55°	6360	2210	2339	2210
60°	4847	1474	1486	1474
65°	3437	919	839	919
70°	2479	613	559	613
75°	1573	310	250	310
80°	1101	231	195	231
85°	991	0	71	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.5	5.7
10°-20°	120.3	16.4
20°-30°	182.1	24.8
30°-40°	182.5	24.8
40°-50°	114.6	15.6
50°-60°	61.1	8.3
60°-70°	25.1	3.4
70°-80°	6.6	0.9
80°-90°	1.1	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°-30°	343.9	46.8
0°-40°	526.4	71.6
0°-60°	702.1	95.5
0°-90°	735.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	735.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	436	436	436	436	436	
5°	423	436	451	436	423	40
15°	391	424	467	424	391	111
25°	366	400	432	400	366	168
35°	295	304	288	304	295	185
45°	208	111	129	111	208	160
55°	118	41	44	41	118	105
65°	47	13	12	13	47	49
75°	13	3	2	3	13	15
85°	3	0	0	0	3	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3
2.5°	431.9	431.4	431.2	431.7	431.9	432.7	432.5	432.9	432.9	433.2	433.6
5°	423.1	422.9	423.1	423.1	424.0	424.8	424.6	425.3	425.7	426.8	427.2
7.5°	415.0	415.0	414.8	415.7	416.1	417.4	417.2	418.2	418.9	419.9	421.4
10°	406.7	406.7	406.9	407.6	407.8	409.7	409.7	411.2	412.1	413.1	415.0
12.5°	398.6	398.6	399.9	399.5	400.3	401.8	402.5	404.0	405.2	407.4	409.3
15°	391.0	391.0	391.4	392.5	393.1	395.0	396.1	397.8	399.3	401.4	404.2
17.5°	384.4	384.1	384.4	385.6	386.9	388.6	389.5	391.6	393.1	395.9	398.4
20°	377.8	378.2	378.2	379.2	380.1	382.2	383.1	385.4	387.1	389.7	392.7
22.5°	372.0	371.8	371.8	373.3	373.9	375.8	376.7	378.8	380.7	382.9	385.6
25°	366.2	365.8	366.7	366.9	367.3	369.4	370.1	371.6	373.5	375.4	378.2
27.5°	357.7	357.3	357.5	358.4	359.0	360.7	361.1	362.6	364.1	365.8	368.2
30°	341.3	340.9	340.7	342.2	342.8	344.1	344.7	347.3	347.7	349.6	351.3
32.5°	319.6	319.4	319.8	321.1	321.7	323.4	324.3	325.8	326.8	327.9	329.6
35°	295.3	294.9	295.3	296.6	296.6	298.1	298.7	299.3	299.1	299.3	298.9
37.5°	272.7	272.5	272.7	273.4	272.7	273.4	272.7	271.4	269.1	266.5	264.0
40°	253.5	253.8	252.5	253.3	251.0	250.6	248.2	245.0	240.3	235.2	228.0
42.5°	233.1	232.5	231.6	232.0	230.1	228.6	224.8	220.7	214.8	206.2	197.5
45°	207.9	207.7	207.3	207.1	205.8	204.3	201.1	196.4	189.8	181.1	170.7
47.5°	183.4	182.8	182.8	183.0	181.5	181.3	178.8	174.7	169.0	160.4	149.6
50°	160.0	159.8	160.2	161.1	160.0	159.6	157.9	155.1	150.0	142.8	132.5
52.5°	138.9	138.7	139.1	140.2	139.8	140.2	138.5	136.4	132.9	125.9	117.0
55°	118.3	118.3	118.3	119.5	119.5	119.5	118.7	117.4	114.2	109.1	100.8
57.5°	96.7	96.9	98.2	98.4	98.2	98.7	98.4	97.2	95.0	91.4	85.0
60°	78.6	78.6	79.3	79.9	79.7	79.9	79.9	79.3	77.1	74.1	69.0
62.5°	62.2	62.9	62.4	62.9	63.7	62.9	62.4	62.0	60.5	58.6	54.3
65°	47.1	47.5	47.5	47.7	47.3	47.5	46.7	46.0	45.2	43.0	40.3
67.5°	35.8	35.8	35.8	35.8	35.6	35.4	35.2	34.5	33.0	32.2	29.2
70°	27.5	26.2	26.2	26.2	26.2	26.4	25.8	24.9	24.5	23.0	20.9
72.5°	18.3	18.7	18.3	18.3	17.9	18.1	17.3	16.8	16.4	15.6	14.3
75°	13.2	12.1	12.6	12.8	12.1	12.6	11.7	10.9	10.9	10.2	9.6
77.5°	8.5	8.3	8.5	8.7	8.5	8.3	7.9	7.5	7.5	7.2	6.6
80°	6.2	6.0	6.0	6.0	5.8	6.0	5.5	5.5	5.1	4.9	4.5
82.5°	4.1	4.1	3.8	4.1	3.8	4.1	3.4	3.4	3.4	3.2	2.8
85°	2.8	2.3	2.3	2.6	2.1	2.6	2.3	2.1	1.9	1.9	1.7
87.5°	1.3	1.5	1.3	1.5	1.3	1.3	1.5	1.3	1.3	0.9	0.9
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°	95°	100°	105°
0°	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3
2.5°	434.2	434.4	434.4	435.3	435.7	435.9	435.9	437.6	437.0	437.4	437.8
5°	428.0	429.3	429.7	429.7	432.1	432.9	433.8	435.7	435.9	437.2	438.7
7.5°	422.1	423.6	424.4	426.3	427.8	429.3	431.9	433.2	434.4	436.1	438.0
10°	416.3	418.0	419.7	421.2	423.6	425.5	427.2	430.2	431.7	434.0	436.6
12.5°	410.8	413.1	414.6	417.2	419.7	421.4	424.0	426.8	429.1	431.4	434.4
15°	405.9	408.7	410.4	413.1	415.9	418.2	421.0	424.4	426.1	428.9	431.7
17.5°	400.5	403.5	405.7	408.2	411.6	414.2	416.5	419.9	422.1	425.1	428.3
20°	395.0	398.0	400.5	403.1	406.5	409.1	411.8	415.3	417.6	420.6	423.1
22.5°	388.4	391.2	393.9	396.9	400.3	402.5	405.7	408.7	411.2	414.0	416.5
25°	379.9	383.3	385.4	388.2	391.0	393.3	396.7	399.7	401.8	404.4	406.7
27.5°	369.9	372.4	374.1	376.5	379.2	381.4	383.9	386.9	389.1	391.4	393.1
30°	352.8	355.2	356.7	358.4	361.1	363.1	365.2	368.0	369.4	371.2	372.6
32.5°	330.5	332.4	333.2	334.5	336.4	338.3	340.0	342.4	343.0	344.1	344.1
35°	298.1	298.5	298.3	298.7	299.6	300.6	302.1	303.6	304.5	304.5	303.8
37.5°	260.1	257.6	254.8	252.7	252.1	251.6	252.5	253.1	254.0	254.4	253.3
40°	220.7	215.0	208.8	203.3	199.4	197.7	197.1	197.5	197.5	199.0	199.0
42.5°	186.9	177.9	168.7	160.4	154.9	150.6	148.7	148.7	148.9	150.0	150.6
45°	158.7	147.4	136.8	127.6	120.0	114.4	111.9	111.2	111.0	111.4	112.9
47.5°	137.2	125.5	114.4	103.1	95.0	89.5	87.1	86.3	85.4	86.3	86.5
50°	120.4	108.2	96.5	85.2	76.7	71.8	68.8	67.5	67.3	67.3	67.8
52.5°	105.0	93.7	82.0	70.5	61.6	56.9	54.1	53.5	52.6	53.5	53.5
55°	90.5	79.3	67.8	56.9	49.4	44.5	42.0	41.1	40.7	41.3	41.3
57.5°	74.8	65.2	54.5	44.7	37.3	33.9	32.0	30.9	30.7	31.1	30.7
60°	61.4	53.3	44.1	35.2	29.4	25.8	24.3	23.9	23.4	23.9	23.9
62.5°	48.6	41.8	34.3	27.5	22.6	20.0	18.3	18.3	18.1	18.1	18.3
65°	36.0	30.7	25.4	19.6	15.8	13.8	12.6	12.6	12.4	12.6	12.4
67.5°	26.2	22.6	18.3	14.3	11.3	10.2	9.4	8.7	9.2	8.7	8.5
70°	19.2	16.2	13.2	10.9	8.7	7.7	7.0	6.8	6.4	6.4	6.4
72.5°	12.8	10.9	8.9	7.0	5.8	4.7	4.5	4.1	3.6	3.8	4.3
75°	8.5	7.2	6.4	5.1	3.8	3.8	2.6	2.6	2.1	2.6	1.9
77.5°	6.0	4.9	3.8	3.2	2.6	2.3	1.7	1.7	1.5	1.5	1.5
80°	4.3	3.6	2.8	2.3	1.7	1.7	1.5	1.3	1.1	1.1	1.3
82.5°	2.6	1.9	1.9	1.7	1.1	0.9	0.6	0.9	0.4	0.4	0.4
85°	1.5	1.3	1.1	0.6	0.4	0.4	0.2	0.0	0.2	0.2	0.0
87.5°	0.9	0.4	0.4	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.4
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3
2.5°	438.9	438.7	439.1	439.1	440.4	440.2	440.8	440.8	440.4	440.6	441.5
5°	440.4	441.0	442.3	443.4	445.3	446.2	447.2	448.3	448.5	449.1	449.8
7.5°	440.4	442.5	444.0	445.9	448.5	450.0	452.3	454.2	455.1	456.2	457.4
10°	439.5	441.7	444.4	446.6	449.8	452.1	454.5	457.4	458.7	460.4	462.1
12.5°	437.8	440.2	443.2	445.9	449.6	451.7	454.7	457.4	459.4	461.7	463.6
15°	435.3	438.0	440.8	443.6	447.4	450.0	452.8	455.9	457.9	460.4	462.1
17.5°	431.2	434.2	436.8	439.3	442.9	445.9	448.5	451.5	453.4	455.5	457.9
20°	426.3	429.1	431.9	434.0	437.6	440.2	442.9	445.7	447.2	447.6	451.3
22.5°	420.2	422.1	424.2	427.6	429.7	432.1	434.6	437.2	438.7	441.0	442.3
25°	409.9	411.8	414.2	415.7	418.2	420.2	422.7	425.5	426.3	428.0	429.3
27.5°	395.7	396.7	397.8	399.1	400.5	401.6	403.1	404.4	405.2	406.1	406.9
30°	373.1	373.1	373.1	372.2	372.9	373.5	373.7	373.5	373.5	373.3	373.3
32.5°	343.2	341.5	339.6	337.9	337.3	336.4	336.0	335.4	334.3	333.7	333.9
35°	303.0	299.1	296.8	294.7	293.0	291.7	291.0	290.4	290.2	289.3	288.5
37.5°	252.7	249.9	248.2	246.9	245.4	244.2	244.4	244.6	245.2	244.8	245.0
40°	199.4	198.8	199.4	197.9	197.5	197.9	199.0	200.5	201.3	202.2	203.7
42.5°	151.7	152.8	154.3	154.3	154.9	155.8	157.0	159.4	160.6	162.1	163.8
45°	114.2	115.5	117.4	118.0	118.5	119.5	121.0	122.9	123.8	125.1	126.6
47.5°	88.0	88.8	89.9	91.0	92.0	92.5	94.0	94.0	95.0	95.9	96.3
50°	68.6	69.5	70.3	70.9	71.4	72.0	72.4	73.1	73.3	73.7	73.9
52.5°	53.7	54.8	54.8	55.2	55.8	56.5	56.2	56.5	56.7	56.7	57.3
55°	42.0	42.0	42.6	42.6	43.0	42.8	43.0	43.0	43.0	43.0	43.3
57.5°	31.3	31.5	32.2	31.7	31.5	32.0	31.5	32.0	31.7	32.2	31.5
60°	24.1	24.1	24.3	24.3	24.5	24.5	24.5	24.3	24.3	24.1	24.1
62.5°	18.1	18.3	18.5	18.3	18.3	18.3	18.1	18.1	17.9	17.7	17.7
65°	12.1	11.9	12.4	11.9	12.1	12.1	11.9	12.1	11.5	11.7	11.5
67.5°	8.7	8.5	8.3	8.5	8.3	8.1	8.1	8.3	8.5	7.9	7.9
70°	5.8	6.0	5.8	6.0	6.2	6.2	6.0	5.8	6.0	5.5	5.8
72.5°	3.6	3.6	3.6	3.6	3.6	3.8	3.8	3.8	3.4	3.4	3.2
75°	1.7	2.3	1.9	1.7	2.3	2.3	2.1	2.1	1.9	1.9	1.9
77.5°	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.1	1.3	1.1
80°	0.9	0.9	0.9	0.6	0.9	0.9	1.1	0.9	0.9	0.6	1.1
82.5°	0.4	0.4	0.4	0.0	0.2	0.4	0.4	0.2	0.4	0.4	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3
2.5°	441.2	441.0	441.2	441.5	441.2	441.0	441.2	441.5	440.6	440.4	440.8
5°	450.6	450.6	451.0	451.3	451.0	450.6	450.6	449.8	449.1	448.5	448.3
7.5°	458.7	459.1	459.6	459.8	459.6	459.1	458.7	457.4	456.2	455.1	454.2
10°	463.6	464.3	465.1	465.5	465.1	464.3	463.6	462.1	460.4	458.7	457.4
12.5°	465.8	466.4	467.5	467.2	467.5	466.4	465.8	463.6	461.7	459.4	457.4
15°	464.3	465.1	466.2	466.6	466.2	465.1	464.3	462.1	460.4	457.9	455.9
17.5°	459.6	460.8	461.5	462.1	461.5	460.8	459.6	457.9	455.5	453.4	451.5
20°	453.2	454.0	454.9	455.1	454.9	454.0	453.2	451.3	447.6	447.2	445.7
22.5°	444.0	444.7	446.6	445.9	446.6	444.7	444.0	442.3	441.0	438.7	437.2
25°	430.8	431.4	431.7	431.9	431.7	431.4	430.8	429.3	428.0	426.3	425.5
27.5°	408.0	408.0	408.4	408.7	408.4	408.0	408.0	406.9	406.1	405.2	404.4
30°	373.5	373.5	373.5	374.6	373.5	373.5	373.5	373.3	373.3	373.5	373.5
32.5°	333.7	333.2	332.8	333.2	332.8	333.2	333.7	333.9	333.7	334.3	335.4
35°	288.5	288.3	288.9	288.1	288.9	288.3	288.5	288.5	289.3	290.2	290.4
37.5°	245.2	244.8	245.7	244.8	245.7	244.8	245.2	245.0	244.8	245.2	244.6
40°	204.1	204.5	204.5	206.2	204.5	204.5	204.1	203.7	202.2	201.3	200.5
42.5°	164.7	166.0	165.5	166.8	165.5	166.0	164.7	163.8	162.1	160.6	159.4
45°	127.4	128.3	128.3	128.7	128.3	128.3	127.4	126.6	125.1	123.8	122.9
47.5°	97.8	97.8	97.8	98.0	97.8	97.8	97.8	96.3	95.9	95.0	94.0
50°	74.4	74.6	74.8	75.0	74.8	74.6	74.4	73.9	73.7	73.3	73.1
52.5°	57.1	57.3	56.9	57.3	56.9	57.3	57.1	57.3	56.7	56.7	56.5
55°	43.3	43.0	43.3	43.5	43.3	43.0	43.3	43.3	43.0	43.0	43.0
57.5°	31.7	31.3	31.3	31.3	31.3	31.3	31.7	31.5	32.2	31.7	32.0
60°	23.7	23.9	23.9	24.1	23.9	23.9	23.7	24.1	24.1	24.3	24.3
62.5°	17.5	18.1	17.7	18.1	17.7	18.1	17.5	17.7	17.7	17.9	18.1
65°	11.3	11.3	11.3	11.5	11.3	11.3	11.3	11.5	11.7	11.5	12.1
67.5°	7.7	7.9	8.3	8.1	8.3	7.9	7.7	7.9	7.9	8.5	8.3
70°	6.2	5.5	5.5	6.2	5.5	5.5	6.2	5.8	5.5	6.0	5.8
72.5°	3.6	3.2	3.6	3.6	3.6	3.2	3.6	3.2	3.4	3.4	3.8
75°	1.9	1.7	1.5	2.1	1.5	1.7	1.9	1.9	1.9	1.9	2.1
77.5°	1.3	1.1	1.5	1.5	1.5	1.1	1.3	1.1	1.3	1.1	1.3
80°	0.6	0.9	0.6	1.1	0.6	0.9	0.6	1.1	0.6	0.9	0.9
82.5°	0.2	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.4	0.4	0.2
85°	0.0	0.4	0.2	0.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.2	0.0	0.0	0.2	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



TEST NUMBER: P245874

CATALOG NUMBER: LSR8B10D010 EC8B109727 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3
2.5°	440.8	440.2	440.4	439.1	439.1	438.7	438.9	437.8	437.4	437.0	437.6
5°	447.2	446.2	445.3	443.4	442.3	441.0	440.4	438.7	437.2	435.9	435.7
7.5°	452.3	450.0	448.5	445.9	444.0	442.5	440.4	438.0	436.1	434.4	433.2
10°	454.5	452.1	449.8	446.6	444.4	441.7	439.5	436.6	434.0	431.7	430.2
12.5°	454.7	451.7	449.6	445.9	443.2	440.2	437.8	434.4	431.4	429.1	426.8
15°	452.8	450.0	447.4	443.6	440.8	438.0	435.3	431.7	428.9	426.1	424.4
17.5°	448.5	445.9	442.9	439.3	436.8	434.2	431.2	428.3	425.1	422.1	419.9
20°	442.9	440.2	437.6	434.0	431.9	429.1	426.3	423.1	420.6	417.6	415.3
22.5°	434.6	432.1	429.7	427.6	424.2	422.1	420.2	416.5	414.0	411.2	408.7
25°	422.7	420.2	418.2	415.7	414.2	411.8	409.9	406.7	404.4	401.8	399.7
27.5°	403.1	401.6	400.5	399.1	397.8	396.7	395.7	393.1	391.4	389.1	386.9
30°	373.7	373.5	372.9	372.2	373.1	373.1	373.1	372.6	371.2	369.4	368.0
32.5°	336.0	336.4	337.3	337.9	339.6	341.5	343.2	344.1	344.1	343.0	342.4
35°	291.0	291.7	293.0	294.7	296.8	299.1	303.0	303.8	304.5	304.5	303.6
37.5°	244.4	244.2	245.4	246.9	248.2	249.9	252.7	253.3	254.4	254.0	253.1
40°	199.0	197.9	197.5	197.9	199.4	198.8	199.4	199.0	199.0	197.5	197.5
42.5°	157.0	155.8	154.9	154.3	154.3	152.8	151.7	150.6	150.0	148.9	148.7
45°	121.0	119.5	118.5	118.0	117.4	115.5	114.2	112.9	111.4	111.0	111.2
47.5°	94.0	92.5	92.0	91.0	89.9	88.8	88.0	86.5	86.3	85.4	86.3
50°	72.4	72.0	71.4	70.9	70.3	69.5	68.6	67.8	67.3	67.3	67.5
52.5°	56.2	56.5	55.8	55.2	54.8	54.8	53.7	53.5	53.5	52.6	53.5
55°	43.0	42.8	43.0	42.6	42.6	42.0	42.0	41.3	41.3	40.7	41.1
57.5°	31.5	32.0	31.5	31.7	32.2	31.5	31.3	30.7	31.1	30.7	30.9
60°	24.5	24.5	24.5	24.3	24.3	24.1	24.1	23.9	23.9	23.4	23.9
62.5°	18.1	18.3	18.3	18.3	18.5	18.3	18.1	18.3	18.1	18.1	18.3
65°	11.9	12.1	12.1	11.9	12.4	11.9	12.1	12.4	12.6	12.4	12.6
67.5°	8.1	8.1	8.3	8.5	8.3	8.5	8.7	8.5	8.7	9.2	8.7
70°	6.0	6.2	6.2	6.0	5.8	6.0	5.8	6.4	6.4	6.4	6.8
72.5°	3.8	3.8	3.6	3.6	3.6	3.6	3.6	4.3	3.8	3.6	4.1
75°	2.1	2.3	2.3	1.7	1.9	2.3	1.7	1.9	2.6	2.1	2.6
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.5	1.5	1.5	1.7
80°	1.1	0.9	0.9	0.6	0.9	0.9	0.9	1.3	1.1	1.1	1.3
82.5°	0.4	0.4	0.2	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	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



TEST NUMBER: P245874

CATALOG NUMBER: LSR8B10D010 EC8B109727 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3	436.3
2.5°	435.9	435.9	435.7	435.3	434.4	434.4	434.2	433.6	433.2	432.9	432.9
5°	433.8	432.9	432.1	429.7	429.7	429.3	428.0	427.2	426.8	425.7	425.3
7.5°	431.9	429.3	427.8	426.3	424.4	423.6	422.1	421.4	419.9	418.9	418.2
10°	427.2	425.5	423.6	421.2	419.7	418.0	416.3	415.0	413.1	412.1	411.2
12.5°	424.0	421.4	419.7	417.2	414.6	413.1	410.8	409.3	407.4	405.2	404.0
15°	421.0	418.2	415.9	413.1	410.4	408.7	405.9	404.2	401.4	399.3	397.8
17.5°	416.5	414.2	411.6	408.2	405.7	403.5	400.5	398.4	395.9	393.1	391.6
20°	411.8	409.1	406.5	403.1	400.5	398.0	395.0	392.7	389.7	387.1	385.4
22.5°	405.7	402.5	400.3	396.9	393.9	391.2	388.4	385.6	382.9	380.7	378.8
25°	396.7	393.3	391.0	388.2	385.4	383.3	379.9	378.2	375.4	373.5	371.6
27.5°	383.9	381.4	379.2	376.5	374.1	372.4	369.9	368.2	365.8	364.1	362.6
30°	365.2	363.1	361.1	358.4	356.7	355.2	352.8	351.3	349.6	347.7	347.3
32.5°	340.0	338.3	336.4	334.5	333.2	332.4	330.5	329.6	327.9	326.8	325.8
35°	302.1	300.6	299.6	298.7	298.3	298.5	298.1	298.9	299.3	299.1	299.3
37.5°	252.5	251.6	252.1	252.7	254.8	257.6	260.1	264.0	266.5	269.1	271.4
40°	197.1	197.7	199.4	203.3	208.8	215.0	220.7	228.0	235.2	240.3	245.0
42.5°	148.7	150.6	154.9	160.4	168.7	177.9	186.9	197.5	206.2	214.8	220.7
45°	111.9	114.4	120.0	127.6	136.8	147.4	158.7	170.7	181.1	189.8	196.4
47.5°	87.1	89.5	95.0	103.1	114.4	125.5	137.2	149.6	160.4	169.0	174.7
50°	68.8	71.8	76.7	85.2	96.5	108.2	120.4	132.5	142.8	150.0	155.1
52.5°	54.1	56.9	61.6	70.5	82.0	93.7	105.0	117.0	125.9	132.9	136.4
55°	42.0	44.5	49.4	56.9	67.8	79.3	90.5	100.8	109.1	114.2	117.4
57.5°	32.0	33.9	37.3	44.7	54.5	65.2	74.8	85.0	91.4	95.0	97.2
60°	24.3	25.8	29.4	35.2	44.1	53.3	61.4	69.0	74.1	77.1	79.3
62.5°	18.3	20.0	22.6	27.5	34.3	41.8	48.6	54.3	58.6	60.5	62.0
65°	12.6	13.8	15.8	19.6	25.4	30.7	36.0	40.3	43.0	45.2	46.0
67.5°	9.4	10.2	11.3	14.3	18.3	22.6	26.2	29.2	32.2	33.0	34.5
70°	7.0	7.7	8.7	10.9	13.2	16.2	19.2	20.9	23.0	24.5	24.9
72.5°	4.5	4.7	5.8	7.0	8.9	10.9	12.8	14.3	15.6	16.4	16.8
75°	2.6	3.8	3.8	5.1	6.4	7.2	8.5	9.6	10.2	10.9	10.9
77.5°	1.7	2.3	2.6	3.2	3.8	4.9	6.0	6.6	7.2	7.5	7.5
80°	1.5	1.7	1.7	2.3	2.8	3.6	4.3	4.5	4.9	5.1	5.5
82.5°	0.6	0.9	1.1	1.7	1.9	1.9	2.6	2.8	3.2	3.4	3.4
85°	0.2	0.4	0.4	0.6	1.1	1.3	1.5	1.7	1.9	1.9	2.1
87.5°	0.2	0.2	0.0	0.2	0.4	0.4	0.9	0.9	0.9	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P245874

CATALOG NUMBER: LSR8B10D010 EC8B109727 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	436.3	436.3	436.3	436.3	436.3	436.3	436.3
2.5°	432.5	432.7	431.9	431.7	431.2	431.4	431.9
5°	424.6	424.8	424.0	423.1	423.1	422.9	423.1
7.5°	417.2	417.4	416.1	415.7	414.8	415.0	415.0
10°	409.7	409.7	407.8	407.6	406.9	406.7	406.7
12.5°	402.5	401.8	400.3	399.5	399.9	398.6	398.6
15°	396.1	395.0	393.1	392.5	391.4	391.0	391.0
17.5°	389.5	388.6	386.9	385.6	384.4	384.1	384.4
20°	383.1	382.2	380.1	379.2	378.2	378.2	377.8
22.5°	376.7	375.8	373.9	373.3	371.8	371.8	372.0
25°	370.1	369.4	367.3	366.9	366.7	365.8	366.2
27.5°	361.1	360.7	359.0	358.4	357.5	357.3	357.7
30°	344.7	344.1	342.8	342.2	340.7	340.9	341.3
32.5°	324.3	323.4	321.7	321.1	319.8	319.4	319.6
35°	298.7	298.1	296.6	296.6	295.3	294.9	295.3
37.5°	272.7	273.4	272.7	273.4	272.7	272.5	272.7
40°	248.2	250.6	251.0	253.3	252.5	253.8	253.5
42.5°	224.8	228.6	230.1	232.0	231.6	232.5	233.1
45°	201.1	204.3	205.8	207.1	207.3	207.7	207.9
47.5°	178.8	181.3	181.5	183.0	182.8	182.8	183.4
50°	157.9	159.6	160.0	161.1	160.2	159.8	160.0
52.5°	138.5	140.2	139.8	140.2	139.1	138.7	138.9
55°	118.7	119.5	119.5	119.5	118.3	118.3	118.3
57.5°	98.4	98.7	98.2	98.4	98.2	96.9	96.7
60°	79.9	79.9	79.7	79.9	79.3	78.6	78.6
62.5°	62.4	62.9	63.7	62.9	62.4	62.9	62.2
65°	46.7	47.5	47.3	47.7	47.5	47.5	47.1
67.5°	35.2	35.4	35.6	35.8	35.8	35.8	35.8
70°	25.8	26.4	26.2	26.2	26.2	26.2	27.5
72.5°	17.3	18.1	17.9	18.3	18.3	18.7	18.3
75°	11.7	12.6	12.1	12.8	12.6	12.1	13.2
77.5°	7.9	8.3	8.5	8.7	8.5	8.3	8.5
80°	5.5	6.0	5.8	6.0	6.0	6.0	6.2
82.5°	3.4	4.1	3.8	4.1	3.8	4.1	4.1
85°	2.3	2.6	2.1	2.6	2.3	2.3	2.8
87.5°	1.5	1.3	1.3	1.5	1.3	1.5	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)