

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: CORELITE

Report Number: P213090

Luminaire Tested: **DSI-WD-60L835-1D-UNV-4-STD-FC-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P213090  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35734)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DSI-WD-60L835-1D-UNV-4-STD-FC-W  
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE  
WaveStream DIFFUSE OPTIC WITH FROSTED COVER, LIGHT LEVEL 5.  
Light Source: (308) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6045.4 lumens  
Efficiency: N/A  
Efficacy: 129.5 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.43 / 1.52  
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')  
CIE Type: Semi-Direct

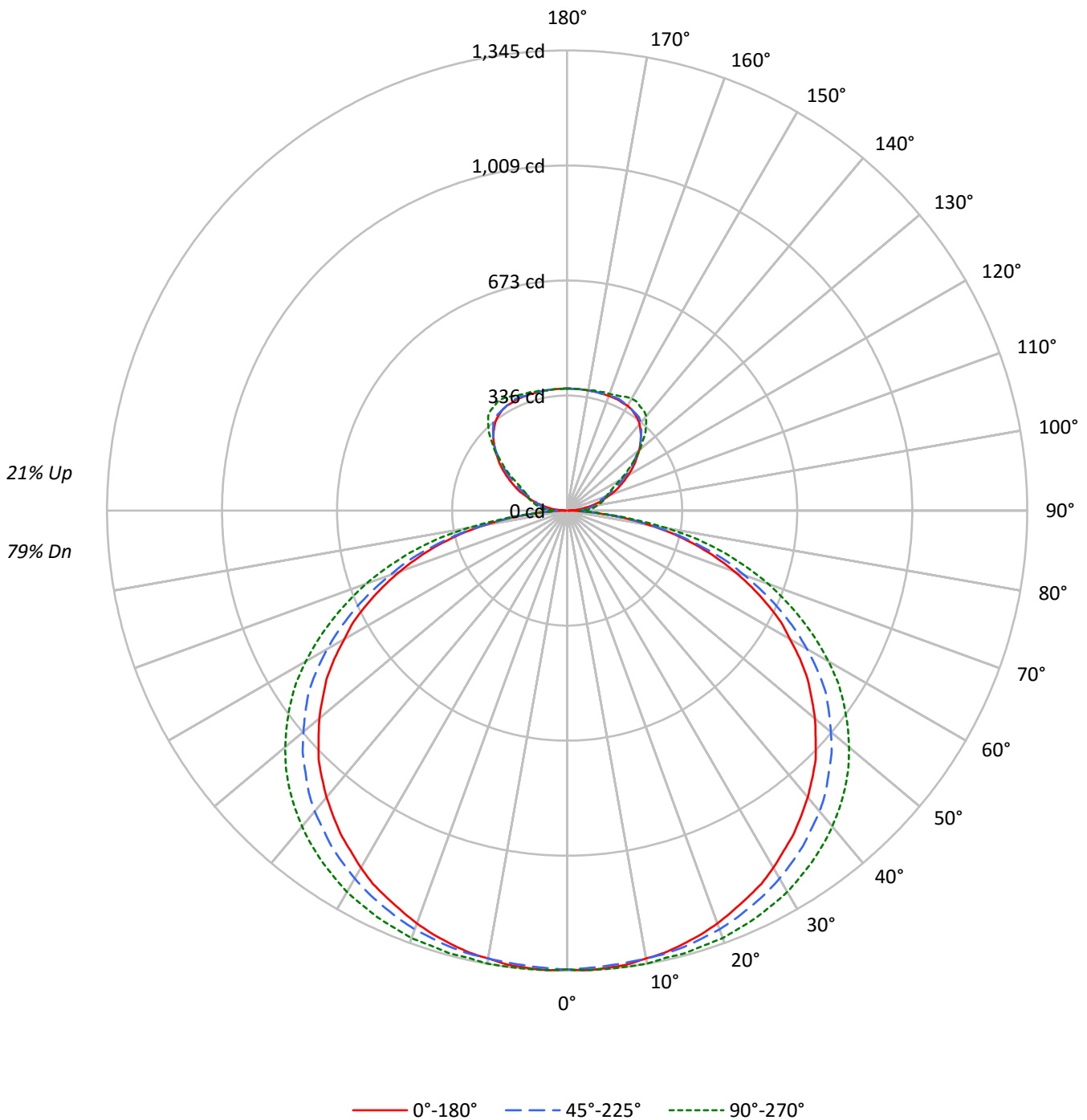
Input Watts (W): 46.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																				
0	114	114	114	114	109	109	109	109	99	99	99		91	91	91		82	82	82	79
1	103	98	94	90	98	94	90	86	86	83	80		78	76	73		71	69	68	64
2	93	85	78	72	89	81	75	69	74	69	64		68	63	60		62	58	55	52
3	84	74	65	59	80	71	63	57	64	58	53		59	54	50		54	50	46	43
4	77	65	56	49	73	62	54	48	57	50	45		52	46	42		47	43	39	36
5	70	57	48	42	67	55	47	40	51	44	38		46	40	36		42	37	34	31
6	65	51	42	36	61	49	41	35	45	38	33		42	36	31		38	33	29	27
7	60	46	38	31	57	44	36	31	41	34	29		38	32	27		35	30	26	23
8	56	42	34	28	53	40	32	27	37	30	26		34	28	24		32	27	23	21
9	52	38	30	25	49	37	29	24	34	27	23		32	26	22		29	24	20	18
10	48	35	27	22	46	34	27	22	31	25	21		29	23	19		27	22	18	17

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

	0°	45°	90°
0°	4521	4521	4521
5°	4538	4517	4548
10°	4549	4549	4601
15°	4575	4606	4670
20°	4605	4670	4767
25°	4640	4741	4876
30°	4691	4832	5008
35°	4748	4935	5146
40°	4811	5051	5303
45°	4895	5155	5472
50°	4958	5275	5639
55°	5041	5414	5805
60°	5071	5457	5946
65°	5131	5469	6047
70°	5120	5418	6162
75°	5075	5310	6176
80°	4748	4808	5746
85°	3503	3739	3855



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.9	2.1
10°-20°	374.4	6.2
20°-30°	590.3	9.8
30°-40°	752.2	12.4
40°-50°	837.6	13.9
50°-60°	821.5	13.6
60°-70°	686.3	11.4
70°-80°	442.2	7.3
80°-90°	124.2	2.1
90°-100°	60.1	1.0
100°-110°	105.6	1.7
110°-120°	154.5	2.6
120°-130°	207.7	3.4
130°-140°	237.6	3.9
140°-150°	221.2	3.7
150°-160°	166.7	2.8
160°-170°	101.4	1.7
170°-180°	34.0	0.6
0°-30°	1092.6	18.1
0°-40°	1844.7	30.5
0°-60°	3503.8	58.0
0°-90°	4756.5	78.7
90°-120°	320.2	5.3
90°-150°	986.7	16.3
90°-180°	1289.0	21.3
0°-180°	6045.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1342	1342	1342	1342	1342	
5°	1342	1342	1336	1345	1345	128
15°	1311	1317	1320	1332	1339	371
25°	1248	1257	1275	1302	1311	576
35°	1154	1166	1200	1236	1251	722
45°	1027	1042	1082	1130	1148	791
55°	858	876	922	964	988	764
65°	644	659	686	737	758	635
75°	390	396	408	453	474	409
85°	91	94	97	103	100	108
90°	3	21	30	36	36	7
95°	30	45	60	70	76	32
105°	100	94	94	106	109	104
115°	169	166	154	145	142	168
125°	242	236	233	227	227	215
135°	305	299	305	317	323	235
145°	344	341	348	366	372	216
155°	356	356	360	366	369	164
165°	356	356	356	360	360	101
175°	356	356	356	356	356	34
180°	356	356	356	356	356	



TEST NUMBER: P213090

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1341.6	1341.6	1341.6	1341.6	1341.6
2.5°	1344.6	1344.6	1338.6	1344.6	1344.6
5°	1341.6	1341.6	1335.5	1344.6	1344.6
7.5°	1338.6	1338.6	1332.5	1344.6	1344.6
10°	1329.5	1332.5	1329.5	1341.6	1344.6
12.5°	1323.4	1326.5	1326.5	1338.6	1338.6
15°	1311.4	1317.4	1320.4	1332.5	1338.6
17.5°	1299.3	1305.3	1311.4	1326.5	1332.5
20°	1284.2	1290.2	1302.3	1320.4	1329.5
22.5°	1266.0	1275.1	1290.2	1311.4	1320.4
25°	1247.9	1257.0	1275.1	1302.3	1311.4
27.5°	1229.8	1238.8	1260.0	1287.2	1299.3
30°	1205.6	1217.7	1241.9	1272.1	1287.2
32.5°	1178.4	1193.5	1220.7	1254.0	1269.1
35°	1154.2	1166.3	1199.6	1235.8	1250.9
37.5°	1124.0	1139.1	1172.4	1214.7	1229.8
40°	1093.8	1111.9	1148.2	1187.5	1205.6
42.5°	1060.6	1075.7	1118.0	1160.3	1178.4
45°	1027.3	1042.4	1081.7	1130.1	1148.2
47.5°	985.0	1006.2	1048.5	1096.8	1115.0
50°	945.8	963.9	1006.2	1057.6	1075.7
52.5°	900.4	924.6	963.9	1012.2	1033.4
55°	858.1	876.3	921.6	963.9	988.1
57.5°	806.8	827.9	867.2	912.5	939.7
60°	752.4	773.5	809.8	855.1	882.3
62.5°	704.0	716.1	749.4	797.7	821.9
65°	643.6	658.7	685.9	737.3	758.4
67.5°	583.2	595.3	619.4	670.8	691.9
70°	519.7	531.8	549.9	601.3	625.5
72.5°	456.3	465.3	486.5	528.8	549.9
75°	389.8	395.8	407.9	453.2	474.4
77.5°	320.3	320.3	332.4	371.7	392.8
80°	244.7	244.7	247.8	284.0	296.1
82.5°	169.2	163.2	169.2	190.4	193.4
85°	90.6	93.7	96.7	102.7	99.7
87.5°	33.2	39.3	42.3	39.3	39.3
90°	3.0	21.2	30.2	36.3	36.3
92.5°	15.1	36.3	51.4	54.4	57.4
95°	30.2	45.3	60.4	69.5	75.5
97.5°	48.3	51.4	69.5	81.6	81.6
100°	63.5	63.5	78.6	90.6	90.6
102.5°	81.6	78.6	87.6	96.7	99.7
105°	99.7	93.7	93.7	105.8	108.8
107.5°	114.8	111.8	102.7	114.8	117.8
110°	132.9	129.9	117.8	120.9	123.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	154.1	148.1	136.0	129.9	129.9
115°	169.2	166.2	154.1	145.0	142.0
117.5°	187.3	181.3	172.2	163.2	157.1
120°	205.5	199.4	190.4	184.3	178.3
122.5°	223.6	220.6	211.5	205.5	202.4
125°	241.7	235.7	232.7	226.6	226.6
127.5°	256.8	253.8	250.8	250.8	250.8
130°	275.0	268.9	271.9	271.9	278.0
132.5°	290.1	284.0	290.1	296.1	299.1
135°	305.2	299.1	305.2	317.3	323.3
137.5°	317.3	314.2	320.3	335.4	341.4
140°	329.4	326.3	335.4	350.5	359.6
142.5°	338.4	335.4	344.5	359.6	368.6
145°	344.5	341.4	347.5	365.6	371.7
147.5°	350.5	347.5	350.5	371.7	377.7
150°	353.5	353.5	353.5	371.7	377.7
152.5°	353.5	353.5	356.5	365.6	374.7
155°	356.5	356.5	359.6	365.6	368.6
157.5°	356.5	356.5	359.6	362.6	365.6
160°	356.5	356.5	356.5	362.6	362.6
162.5°	356.5	356.5	356.5	359.6	362.6
165°	356.5	356.5	356.5	359.6	359.6
167.5°	356.5	356.5	356.5	359.6	359.6
170°	356.5	356.5	356.5	356.5	356.5
172.5°	356.5	356.5	356.5	356.5	356.5
175°	356.5	356.5	356.5	356.5	356.5
177.5°	356.5	356.5	356.5	356.5	356.5
180°	356.5	356.5	356.5	356.5	356.5

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