

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: P213020

Luminaire Tested: **DSI-WS-60L835-1D-UNV-4-STD-DC-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P213020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35729)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DSI-WS-60L835-1D-UNV-4-STD-DC-W
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE
WaveStream SPECULAR OPTIC WITH DUST COVER, LIGHT LEVEL 5.
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5878.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.42 / 1.49 / 1.57
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Semi-Direct

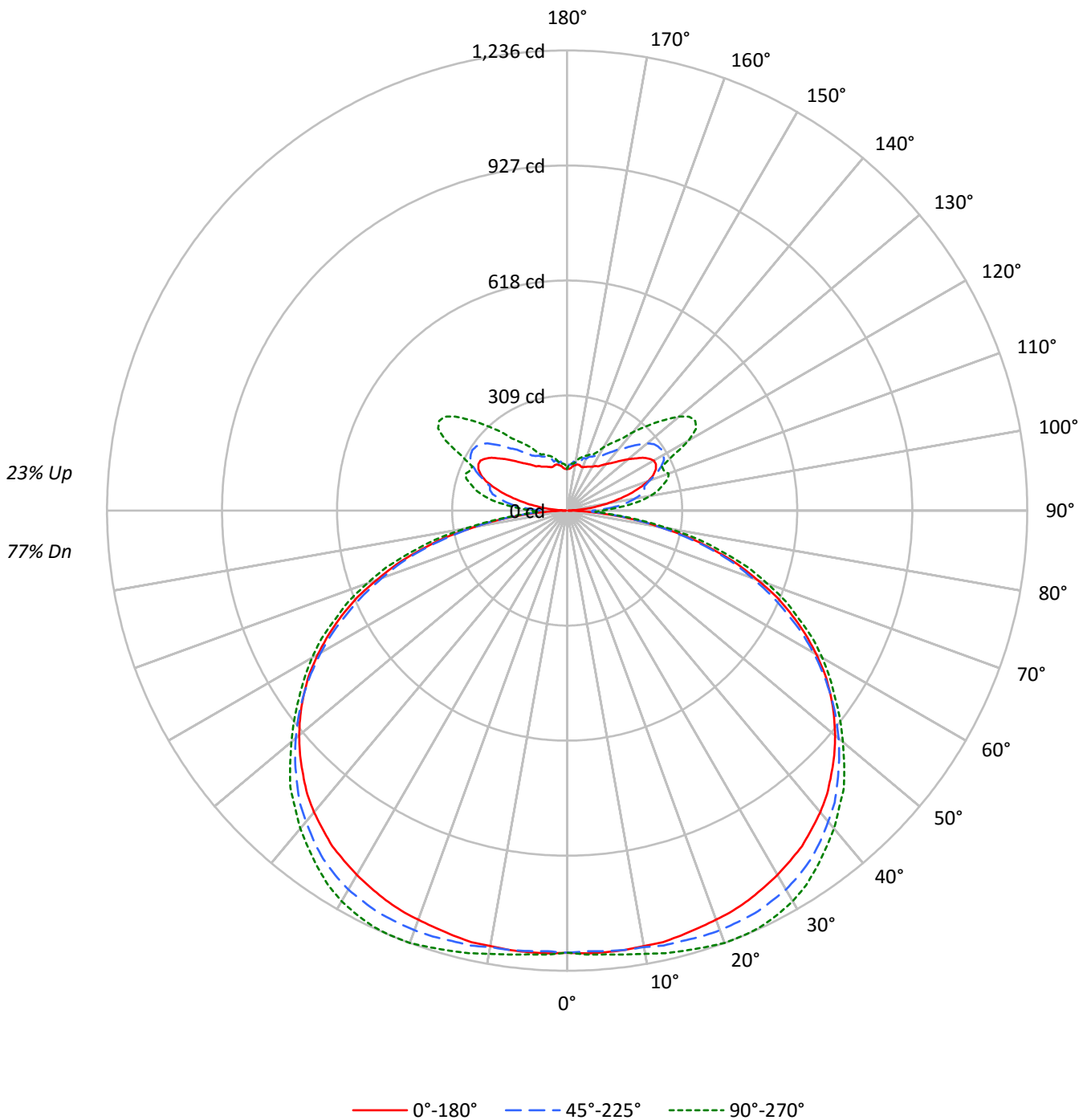
Input Watts (W): 46.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	98	98	98	89	89	89	81	81	81	77
1	103	98	93	89	98	93	89	85	85	81	78	77	74	72	70	68	66	62
2	93	84	77	71	88	80	74	68	73	68	63	66	62	59	60	57	54	50
3	84	73	65	58	79	70	62	56	63	57	52	58	53	48	52	48	45	42
4	76	64	55	48	72	61	53	47	56	49	44	51	45	41	46	42	38	35
5	70	57	48	41	66	54	46	40	50	43	37	45	39	35	41	36	32	30
6	64	51	42	35	61	49	40	34	45	37	32	41	35	30	37	32	28	26
7	59	46	37	31	56	44	36	30	40	33	28	37	31	26	34	29	25	22
8	55	41	33	27	52	40	32	26	37	30	25	34	28	23	31	26	22	20
9	51	38	30	24	49	36	29	23	33	27	22	31	25	21	28	23	20	18
10	48	35	27	22	45	33	26	21	31	24	20	28	23	19	26	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4001	4001	4001
5°	4027	4017	4047
10°	4063	4073	4135
15°	4121	4174	4269
20°	4193	4302	4431
25°	4291	4437	4583
30°	4397	4573	4715
35°	4524	4698	4810
40°	4652	4798	4905
45°	4781	4895	5011
50°	4926	4989	5069
55°	5077	5077	5166
60°	5213	5152	5335
65°	5324	5179	5469
70°	5358	5210	5626
75°	5310	5192	5665
80°	4867	4867	5394
85°	3855	4438	4674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	1.9
10°-20°	340.5	5.8
20°-30°	551.2	9.4
30°-40°	712.6	12.1
40°-50°	793.0	13.5
50°-60°	777.3	13.2
60°-70°	659.9	11.2
70°-80°	432.8	7.4
80°-90°	141.1	2.4
90°-100°	131.6	2.2
100°-110°	226.9	3.9
110°-120°	273.8	4.7
120°-130°	280.9	4.8
130°-140°	197.7	3.4
140°-150°	120.4	2.0
150°-160°	72.6	1.2
160°-170°	39.6	0.7
170°-180°	12.1	0.2
0°-30°	1005.6	17.1
0°-40°	1718.2	29.2
0°-60°	3288.5	55.9
0°-90°	4522.3	76.9
90°-120°	632.3	10.8
90°-150°	1231.3	20.9
90°-180°	1356.0	23.1
0°-180°	5878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1188	1188	1188	1188	1188	
5°	1190	1190	1188	1196	1196	114
15°	1181	1188	1196	1218	1224	334
25°	1154	1166	1194	1224	1233	533
35°	1100	1115	1142	1163	1169	688
45°	1003	1015	1027	1042	1052	775
55°	864	864	864	876	879	772
65°	668	662	650	683	686	658
75°	408	399	399	435	435	428
85°	100	103	115	124	121	115
90°	3	42	70	88	94	9
95°	45	97	136	157	160	50
105°	175	175	214	257	266	183
115°	263	254	278	284	281	256
125°	248	260	299	381	420	220
135°	184	208	245	302	332	145
145°	145	166	187	214	227	93
155°	130	145	160	166	166	60
165°	127	133	136	145	148	36
175°	115	127	124	127	127	11
180°	112	112	112	112	112	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1187.5	1187.5	1187.5	1187.5	1187.5
2.5°	1190.5	1190.5	1184.5	1190.5	1193.5
5°	1190.5	1190.5	1187.5	1196.5	1196.5
7.5°	1190.5	1190.5	1190.5	1199.6	1202.6
10°	1187.5	1190.5	1190.5	1205.6	1208.6
12.5°	1187.5	1190.5	1196.5	1211.7	1217.7
15°	1181.4	1187.5	1196.5	1217.7	1223.7
17.5°	1175.4	1184.5	1199.6	1223.7	1229.8
20°	1169.4	1181.4	1199.6	1226.8	1235.8
22.5°	1163.3	1175.4	1196.5	1226.8	1235.8
25°	1154.2	1166.3	1193.5	1223.7	1232.8
27.5°	1142.2	1157.3	1184.5	1214.7	1223.7
30°	1130.1	1148.2	1175.4	1202.6	1211.7
32.5°	1115.0	1133.1	1160.3	1187.5	1193.5
35°	1099.9	1115.0	1142.2	1163.3	1169.4
37.5°	1078.7	1090.8	1118.0	1139.1	1142.2
40°	1057.6	1069.6	1090.8	1111.9	1115.0
42.5°	1033.4	1042.4	1063.6	1078.7	1081.7
45°	1003.2	1015.3	1027.3	1042.4	1051.5
47.5°	973.0	982.0	991.1	1006.2	1009.2
50°	939.7	945.8	951.8	966.9	966.9
52.5°	903.5	909.5	909.5	921.6	924.6
55°	864.2	864.2	864.2	876.3	879.3
57.5°	821.9	821.9	815.8	830.9	837.0
60°	773.5	773.5	764.5	782.6	791.7
62.5°	722.2	719.1	710.1	731.2	743.3
65°	667.8	661.7	649.6	682.9	685.9
67.5°	610.4	604.3	592.2	625.5	634.5
70°	543.9	543.9	528.8	568.1	571.1
72.5°	480.4	471.4	468.3	501.6	510.6
75°	407.9	398.8	398.8	435.1	435.1
77.5°	335.4	323.3	323.3	356.5	365.6
80°	250.8	247.8	250.8	275.0	278.0
82.5°	178.3	169.2	178.3	193.4	196.4
85°	99.7	102.7	114.8	123.9	120.9
87.5°	39.3	54.4	66.5	72.5	75.5
90°	3.0	42.3	69.5	87.6	93.7
92.5°	18.1	69.5	99.7	117.8	123.9
95°	45.3	96.7	136.0	157.1	160.1
97.5°	75.5	114.8	163.2	190.4	199.4
100°	108.8	132.9	184.3	217.6	226.6
102.5°	142.0	154.1	205.5	238.7	250.8
105°	175.3	175.3	214.5	256.8	265.9
107.5°	205.5	199.4	217.6	268.9	284.0
110°	232.7	220.6	235.7	265.9	290.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	250.8	238.7	259.9	265.9	281.0
115°	262.9	253.8	278.0	284.0	281.0
117.5°	268.9	262.9	293.1	332.4	320.3
120°	268.9	268.9	299.1	365.6	377.7
122.5°	259.9	268.9	302.2	380.7	410.9
125°	247.8	259.9	299.1	380.7	420.0
127.5°	229.6	247.8	293.1	368.6	414.0
130°	214.5	235.7	281.0	350.5	392.8
132.5°	199.4	223.6	262.9	326.3	362.6
135°	184.3	208.5	244.7	302.2	332.4
137.5°	172.2	196.4	226.6	278.0	302.2
140°	163.2	190.4	214.5	250.8	275.0
142.5°	154.1	178.3	199.4	229.6	244.7
145°	145.0	166.2	187.3	214.5	226.6
147.5°	142.0	163.2	175.3	199.4	211.5
150°	136.0	154.1	169.2	187.3	196.4
152.5°	132.9	148.1	166.2	175.3	178.3
155°	129.9	145.0	160.1	166.2	166.2
157.5°	126.9	145.0	157.1	157.1	163.2
160°	123.9	136.0	148.1	160.1	157.1
162.5°	123.9	132.9	148.1	154.1	154.1
165°	126.9	132.9	136.0	145.0	148.1
167.5°	126.9	132.9	139.0	139.0	142.0
170°	123.9	126.9	129.9	139.0	132.9
172.5°	120.9	126.9	132.9	129.9	126.9
175°	114.8	126.9	123.9	126.9	126.9
177.5°	111.8	114.8	123.9	126.9	123.9
180°	111.8	111.8	111.8	111.8	111.8

(END OF REPORT)