

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: P35727

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P35727
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-W
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE
WaveStream SPECULAR OPTIC, LIGHT LEVEL 5.
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5967.9 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.46 / 1.53
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Semi-Direct

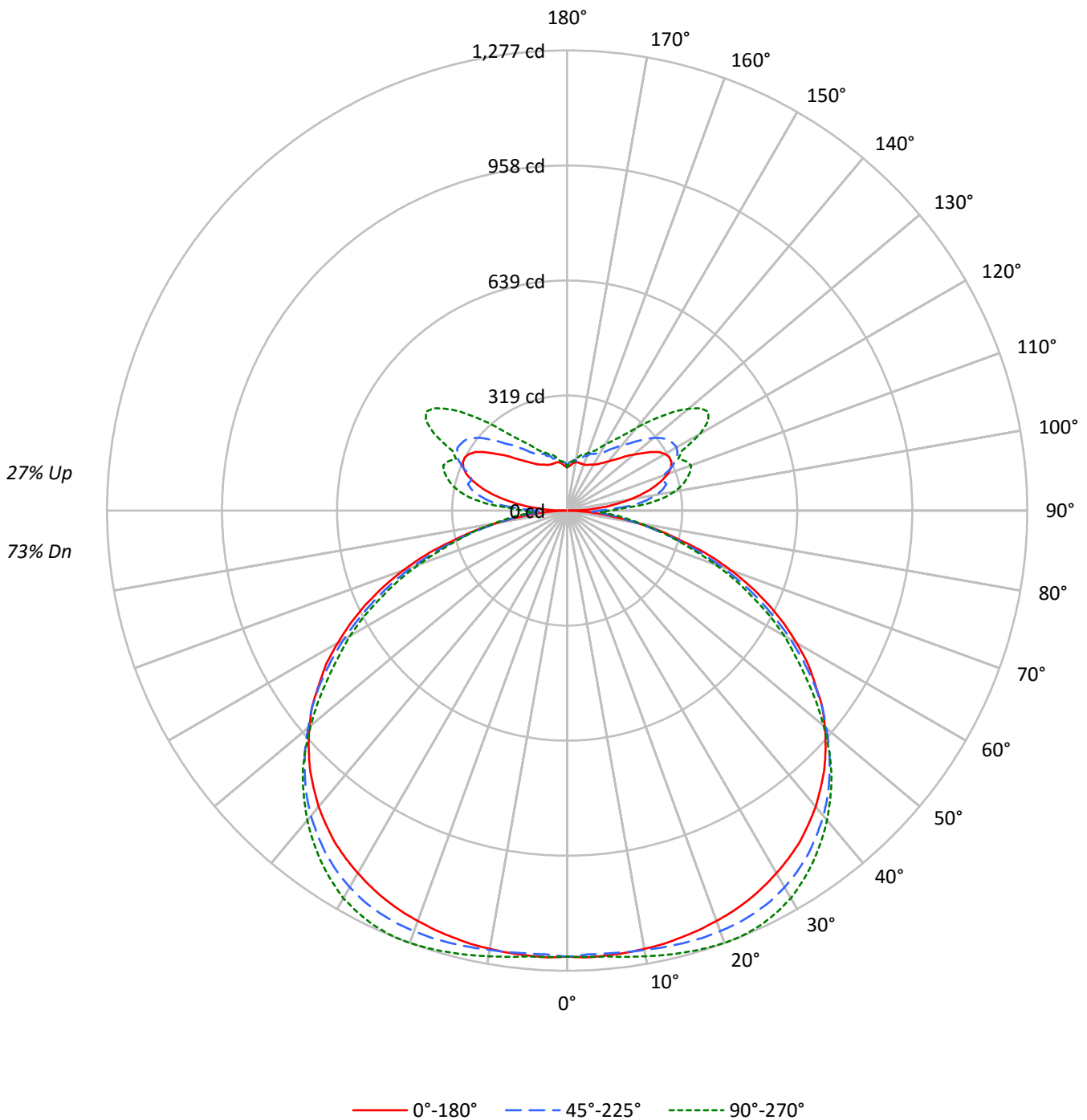
Input Watts (W): 46.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	102	97	93	89	97	92	89	85	83	80	78	75	73	70	67	65	64	60
2	93	84	78	72	87	80	74	69	72	67	63	65	61	58	58	55	53	49
3	84	74	66	59	79	70	63	57	63	57	52	57	52	48	51	47	44	41
4	77	65	56	50	72	62	54	48	56	49	44	50	45	41	45	41	37	34
5	70	58	49	42	66	55	47	41	50	43	38	45	39	35	40	36	32	29
6	65	52	43	36	61	49	41	35	45	38	33	40	35	30	36	32	28	26
7	60	46	38	32	56	44	36	31	40	34	29	37	31	27	33	28	25	22
8	55	42	34	28	52	40	33	27	37	30	25	33	28	24	30	26	22	20
9	52	38	30	25	49	37	29	24	34	27	23	31	25	21	28	23	20	18
10	48	35	28	22	46	34	27	22	31	25	20	28	23	19	26	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4172	4172	4172
5°	4194	4174	4201
10°	4226	4236	4297
15°	4277	4336	4427
20°	4346	4454	4579
25°	4432	4580	4722
30°	4521	4696	4832
35°	4624	4792	4895
40°	4720	4865	4935
45°	4813	4908	4946
50°	4896	4922	4870
55°	4935	4911	4758
60°	4953	4832	4690
65°	4911	4704	4529
70°	4749	4502	4315
75°	4361	4153	4062
80°	3784	3745	4017
85°	2822	4059	4755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	2.0
10°-20°	353.1	5.9
20°-30°	568.6	9.5
30°-40°	726.5	12.2
40°-50°	791.5	13.3
50°-60°	742.4	12.4
60°-70°	584.4	9.8
70°-80°	343.2	5.8
80°-90°	122.3	2.0
90°-100°	183.1	3.1
100°-110°	298.8	5.0
110°-120°	328.7	5.5
120°-130°	320.9	5.4
130°-140°	219.9	3.7
140°-150°	131.5	2.2
150°-160°	78.7	1.3
160°-170°	42.8	0.7
170°-180°	13.0	0.2
0°-30°	1040.1	17.4
0°-40°	1766.7	29.6
0°-60°	3300.6	55.3
0°-90°	4350.5	72.9
90°-120°	810.6	13.6
90°-150°	1482.8	24.8
90°-180°	1617.0	27.1
0°-180°	5967.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1238	1238	1238	1238	1238	
5°	1240	1240	1234	1242	1242	118
15°	1226	1232	1243	1263	1269	347
25°	1192	1206	1232	1261	1270	550
35°	1124	1139	1165	1184	1190	703
45°	1010	1019	1030	1036	1038	779
55°	840	840	836	821	810	752
65°	616	609	590	577	568	607
75°	335	334	319	312	312	358
85°	73	81	105	117	123	86
90°	4	51	89	112	120	12
95°	95	140	188	216	224	94
105°	247	238	285	330	344	257
115°	319	308	333	329	340	312
125°	283	300	343	432	478	253
135°	205	231	272	336	370	161
145°	159	183	207	233	245	101
155°	140	156	173	179	184	65
165°	136	144	149	156	161	39
175°	128	137	135	138	137	12
180°	120	120	120	120	120	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1238	1238	1238	1238	1238
2.5°	1241	1240	1233	1239	1240
5°	1240	1240	1234	1242	1242
7.5°	1238	1239	1236	1247	1249
10°	1235	1238	1238	1252	1256
12.5°	1232	1235	1241	1258	1263
15°	1226	1232	1243	1263	1269
17.5°	1220	1228	1244	1267	1274
20°	1212	1222	1242	1269	1277
22.5°	1203	1216	1239	1267	1276
25°	1192	1206	1232	1261	1270
27.5°	1178	1193	1222	1250	1258
30°	1162	1178	1207	1234	1242
32.5°	1144	1161	1188	1212	1218
35°	1124	1139	1165	1184	1190
37.5°	1099	1115	1137	1154	1158
40°	1073	1085	1106	1120	1122
42.5°	1042	1055	1071	1080	1081
45°	1010	1019	1030	1036	1038
47.5°	973	981	987	989	986
50°	934	937	939	937	929
52.5°	892	893	891	881	871
55°	840	840	836	821	810
57.5°	793	789	777	765	750
60°	735	730	717	700	696
62.5°	678	672	653	640	635
65°	616	609	590	577	568
67.5°	551	544	525	511	504
70°	482	474	457	444	438
72.5°	414	406	388	377	372
75°	335	334	319	312	312
77.5°	269	266	253	256	261
80°	195	198	193	200	207
82.5°	129	132	143	158	164
85°	73	81	105	117	123
87.5°	31	46	69	86	93
90°	4	51	89	112	120
92.5°	51	97	132	150	158
95°	95	140	188	216	224
97.5°	136	172	224	261	271
100°	176	187	251	291	303
102.5°	214	212	272	314	327
105°	247	238	285	330	344
107.5°	275	262	279	342	358
110°	298	283	284	345	366



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	312	298	314	328	357
115°	319	308	333	329	340
117.5°	320	312	345	382	359
120°	314	315	351	422	426
122.5°	302	312	348	436	465
125°	283	300	343	432	478
127.5°	261	283	330	418	467
130°	242	267	314	394	439
132.5°	224	250	292	366	408
135°	205	231	272	336	370
137.5°	190	217	251	305	335
140°	178	207	237	275	299
142.5°	168	195	220	250	269
145°	159	183	207	233	245
147.5°	152	176	193	218	227
150°	147	169	183	204	212
152.5°	144	159	179	193	196
155°	140	156	173	179	184
157.5°	137	154	171	171	175
160°	136	148	161	172	170
162.5°	136	143	159	167	164
165°	136	144	149	156	161
167.5°	137	142	149	152	154
170°	136	136	140	148	145
172.5°	133	136	142	139	137
175°	128	137	135	138	137
177.5°	123	127	134	135	134
180°	120	120	120	120	120

(END OF REPORT)