

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: P213081

Luminaire Tested: **DSI-WD-60L840-1D-UNV-4-STD-DC-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P213081  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35733)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DSI-WD-60L840-1D-UNV-4-STD-DC-W  
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE  
WaveStream DIFFUSE OPTIC WITH DUST COVER, LIGHT LEVEL 5.  
Light Source: (308) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6117.8 lumens  
Efficiency: N/A  
Efficacy: 131.0 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.47 / 1.55  
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')  
CIE Type: Semi-Direct

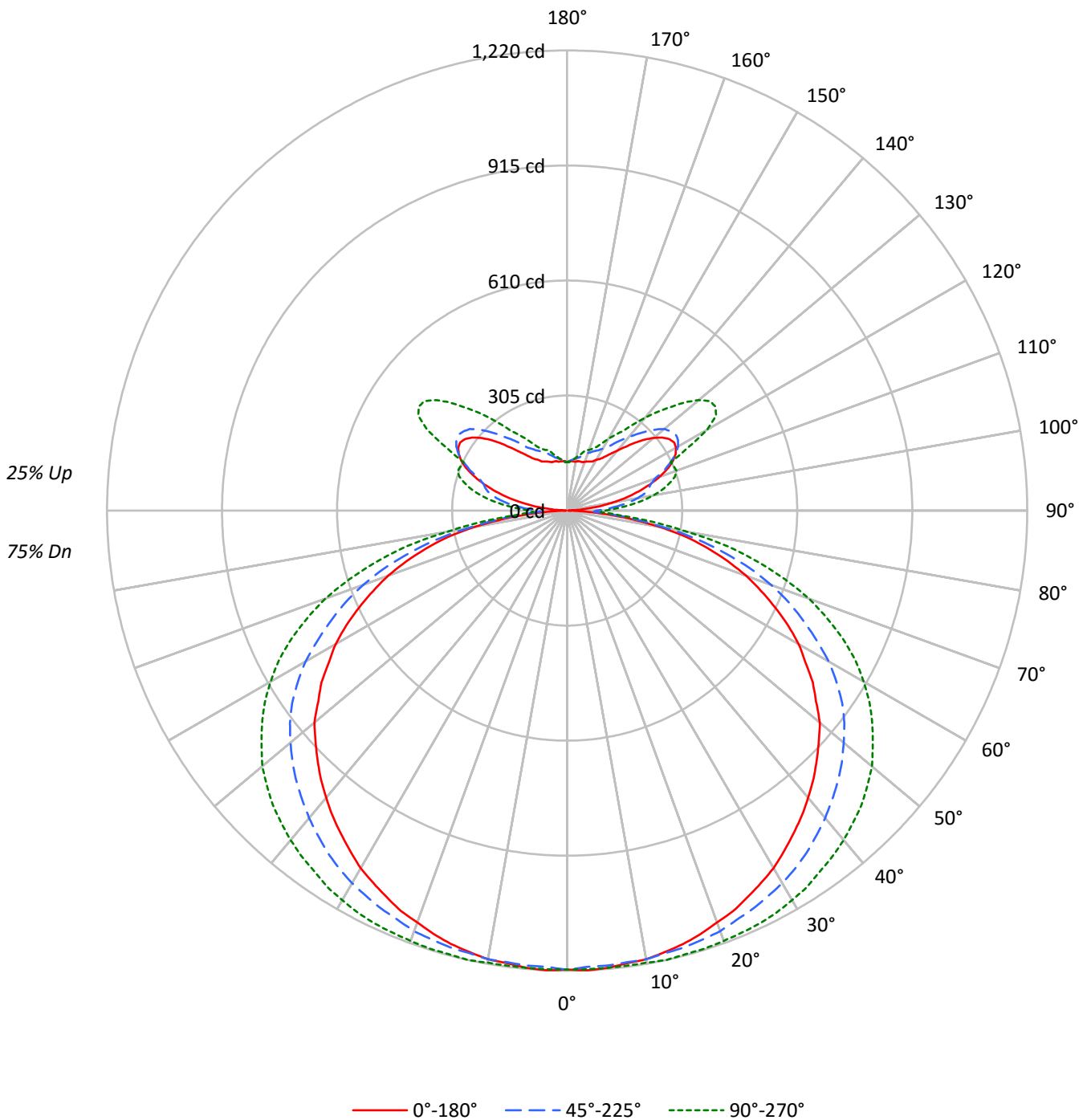
Input Watts (W): 46.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	102	97	92	88	97	92	88	84	83	80	77	75	73	70	68	66	64	60
2	92	83	76	70	87	79	73	67	72	67	62	65	61	57	58	55	52	49
3	83	72	64	57	79	69	61	55	62	56	51	56	51	47	51	47	43	40
4	76	63	55	48	71	60	52	46	55	48	43	50	44	39	45	40	36	33
5	69	56	47	40	65	54	45	39	49	42	36	44	38	34	40	35	31	28
6	64	50	41	35	60	48	40	34	44	37	31	40	34	29	36	31	27	24
7	59	45	36	30	56	43	35	29	39	32	27	36	30	26	32	27	24	21
8	54	41	32	27	52	39	31	26	36	29	24	33	27	23	30	25	21	19
9	51	37	29	24	48	36	28	23	33	26	22	30	24	20	27	22	19	17
10	47	34	26	21	45	33	26	21	30	24	19	28	22	18	25	20	17	15

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

	0°	45°	90°
0°	4101	4101	4101
5°	4116	4096	4116
10°	4133	4133	4164
15°	4150	4182	4245
20°	4167	4255	4353
25°	4206	4332	4491
30°	4259	4438	4640
35°	4302	4554	4805
40°	4371	4681	5017
45°	4459	4838	5260
50°	4585	5017	5530
55°	4671	5227	5802
60°	4781	5399	6120
65°	4852	5510	6437
70°	4971	5664	6718
75°	5016	5614	6808
80°	4807	5162	6289
85°	3545	4612	5320



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.9	1.9
10°-20°	340.2	5.6
20°-30°	539.6	8.8
30°-40°	694.2	11.3
40°-50°	786.7	12.9
50°-60°	795.5	13.0
60°-70°	695.0	11.4
70°-80°	467.9	7.6
80°-90°	149.5	2.4
90°-100°	135.2	2.2
100°-110°	240.9	3.9
110°-120°	306.9	5.0
120°-130°	334.8	5.5
130°-140°	241.1	3.9
140°-150°	139.9	2.3
150°-160°	79.5	1.3
160°-170°	42.4	0.7
170°-180°	12.9	0.2
0°-30°	995.6	16.3
0°-40°	1689.8	27.6
0°-60°	3271.9	53.5
0°-90°	4584.2	74.9
90°-120°	683.0	11.2
90°-150°	1398.7	22.9
90°-180°	1534.0	25.1
0°-180°	6117.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1217	1217	1217	1217	1217	
5°	1217	1217	1211	1217	1217	116
15°	1190	1193	1199	1214	1217	336
25°	1131	1144	1165	1196	1208	522
35°	1046	1064	1107	1150	1168	656
45°	936	963	1015	1079	1104	723
55°	795	829	890	954	988	709
65°	608	648	691	771	807	602
75°	385	410	431	495	523	404
85°	92	98	119	134	138	108
90°	3	46	76	98	101	7
95°	46	95	134	159	165	54
105°	196	193	223	266	281	205
115°	309	297	303	309	303	302
125°	330	330	352	434	480	292
135°	254	269	297	355	388	198
145°	174	196	217	245	257	112
155°	144	156	174	180	186	67
165°	134	141	150	156	159	38
175°	132	132	134	134	134	13
180°	128	128	128	128	128	



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CATALOG NUMBER: DSI-WD-60L840-1D-UNV-4-STD-DC-W

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1217.0	1217.0	1217.0	1217.0	1217.0
2.5°	1220.1	1217.0	1210.9	1217.0	1217.0
5°	1217.0	1217.0	1210.9	1217.0	1217.0
7.5°	1210.9	1214.0	1207.9	1217.0	1217.0
10°	1207.9	1207.9	1207.9	1217.0	1217.0
12.5°	1198.7	1201.8	1201.8	1214.0	1220.1
15°	1189.5	1192.6	1198.7	1214.0	1217.0
17.5°	1177.3	1183.4	1192.6	1210.9	1217.0
20°	1162.0	1171.2	1186.5	1207.9	1214.0
22.5°	1149.8	1158.9	1174.2	1201.8	1210.9
25°	1131.4	1143.7	1165.1	1195.6	1207.9
27.5°	1113.1	1125.3	1152.8	1186.5	1201.8
30°	1094.7	1110.0	1140.6	1177.3	1192.6
32.5°	1070.3	1088.6	1125.3	1165.1	1183.4
35°	1045.8	1064.1	1107.0	1149.8	1168.1
37.5°	1021.3	1042.7	1085.6	1134.5	1155.9
40°	993.8	1015.2	1064.1	1119.2	1140.6
42.5°	966.3	990.8	1039.7	1097.8	1122.2
45°	935.7	963.2	1015.2	1079.4	1103.9
47.5°	905.1	932.7	987.7	1055.0	1079.4
50°	874.6	902.1	957.1	1024.4	1055.0
52.5°	831.7	865.4	926.5	990.8	1021.3
55°	795.1	828.7	889.8	954.1	987.7
57.5°	749.2	788.9	847.0	914.3	951.0
60°	709.4	743.1	801.2	871.5	908.2
62.5°	660.5	697.2	746.1	822.6	862.3
65°	608.5	648.3	691.1	770.6	807.3
67.5°	556.5	593.2	636.0	709.4	746.1
70°	504.6	538.2	574.9	648.3	681.9
72.5°	446.5	477.0	507.6	574.9	605.5
75°	385.3	409.8	431.2	495.4	522.9
77.5°	324.1	336.4	354.7	409.8	434.2
80°	247.7	256.9	266.0	311.9	324.1
82.5°	168.2	174.3	186.5	214.1	226.3
85°	91.7	97.9	119.3	134.5	137.6
87.5°	30.6	48.9	70.3	82.6	88.7
90°	3.1	45.9	76.4	97.9	100.9
92.5°	15.3	70.3	104.0	122.3	128.4
95°	45.9	94.8	134.5	159.0	165.1
97.5°	85.6	119.3	165.1	192.6	201.8
100°	122.3	140.7	189.6	223.2	232.4
102.5°	162.1	162.1	211.0	247.7	259.9
105°	195.7	192.6	223.2	266.0	281.3
107.5°	229.3	220.2	232.4	281.3	299.7
110°	259.9	247.7	247.7	284.4	308.8



TEST NUMBER: P213081

CATALOG NUMBER: DSI-WD-60L840-1D-UNV-4-STD-DC-W

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	287.4	272.2	278.3	284.4	305.8
115°	308.8	296.6	302.7	308.8	302.7
117.5°	324.1	315.0	324.1	370.0	360.8
120°	333.3	327.2	339.4	409.8	428.1
122.5°	336.4	333.3	348.6	428.1	467.9
125°	330.3	330.3	351.7	434.2	480.1
127.5°	318.0	324.1	345.5	425.0	477.0
130°	299.7	308.8	336.4	406.7	455.6
132.5°	278.3	290.5	318.0	382.2	425.0
135°	253.8	269.1	296.6	354.7	388.4
137.5°	229.3	247.7	275.2	324.1	354.7
140°	207.9	229.3	253.8	296.6	321.1
142.5°	189.6	211.0	235.5	269.1	287.4
145°	174.3	195.7	217.1	244.6	256.9
147.5°	162.1	183.5	198.8	229.3	238.5
150°	156.0	171.2	189.6	211.0	220.2
152.5°	146.8	162.1	180.4	192.6	201.8
155°	143.7	156.0	174.3	180.4	186.5
157.5°	140.7	149.8	168.2	174.3	177.4
160°	137.6	146.8	162.1	171.2	171.2
162.5°	134.5	143.7	156.0	165.1	168.2
165°	134.5	140.7	149.8	156.0	159.0
167.5°	134.5	137.6	143.7	149.8	149.8
170°	131.5	134.5	140.7	143.7	143.7
172.5°	131.5	134.5	137.6	140.7	137.6
175°	131.5	131.5	134.5	134.5	134.5
177.5°	131.5	131.5	131.5	131.5	128.4
180°	128.4	128.4	128.4	128.4	128.4

(END OF REPORT)