

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: P189096

Luminaire Tested: **DRI-WD-2L35-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34839)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WD-2L35-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4182.0 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.42
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

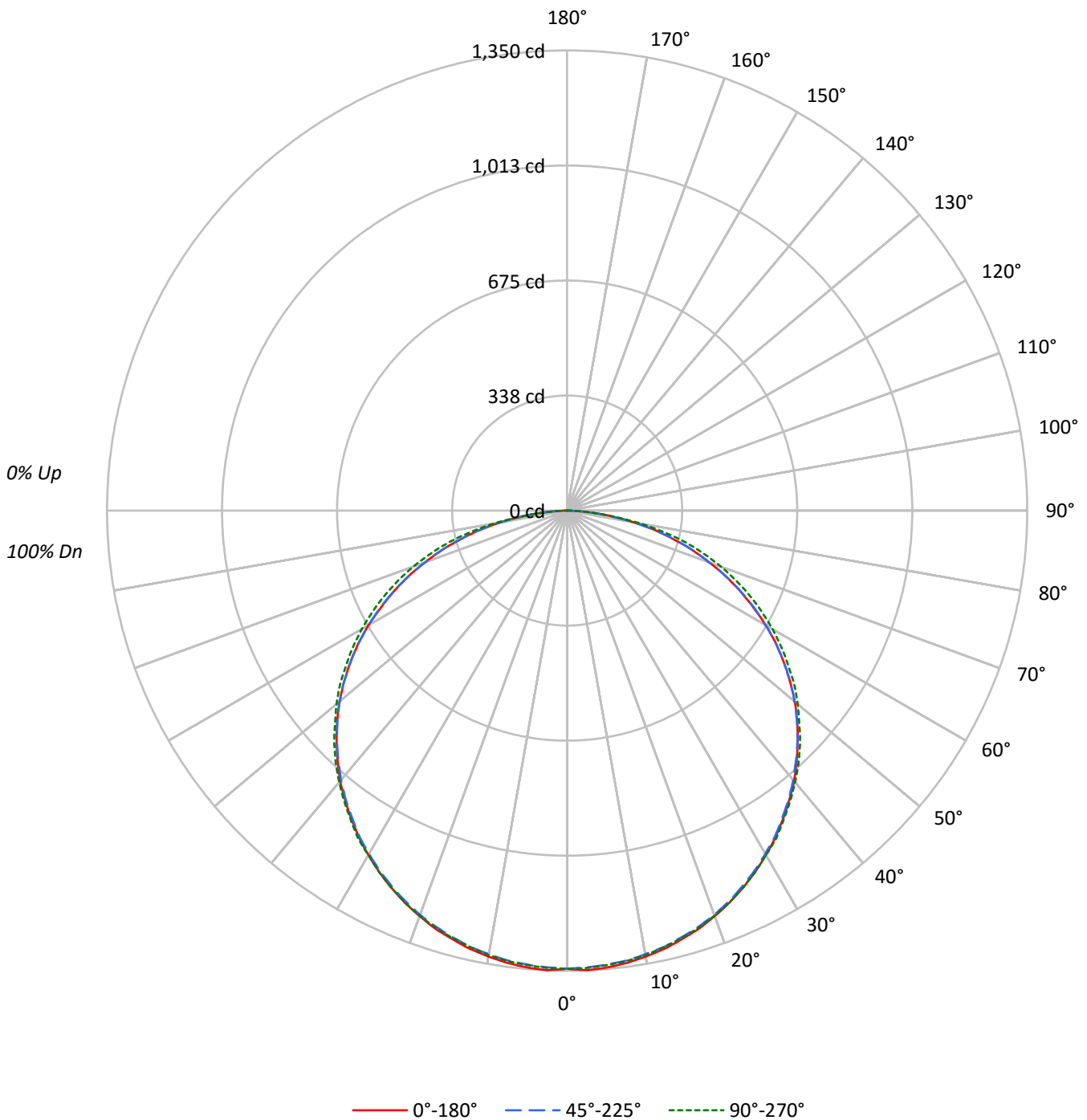
Input Watts (W): 31.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2107	2107	2107
5°	2117	2104	2106
10°	2114	2103	2108
15°	2112	2103	2107
20°	2112	2104	2109
25°	2111	2103	2111
30°	2111	2104	2111
35°	2113	2105	2118
40°	2120	2111	2129
45°	2120	2117	2142
50°	2125	2125	2153
55°	2121	2121	2164
60°	2109	2109	2180
65°	2079	2085	2195
70°	2036	2029	2199
75°	1951	1960	2174
80°	1793	1755	1960
85°	1377	1302	1327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	3.0
10°-20°	366.4	8.8
20°-30°	561.5	13.4
30°-40°	690.5	16.5
40°-50°	738.9	17.7
50°-60°	696.9	16.7
60°-70°	562.3	13.4
70°-80°	348.4	8.3
80°-90°	89.8	2.1
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°	1055.2	25.2
0°-40°	1745.7	41.7
0°-60°	3181.4	76.1
0°-90°	4182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4182.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1344	1344	1344	1344	1344	
5°	1346	1340	1337	1336	1338	128
15°	1302	1297	1296	1294	1299	368
25°	1221	1216	1216	1216	1221	563
35°	1104	1101	1100	1103	1107	691
45°	957	954	955	962	967	738
55°	776	772	776	785	792	694
65°	561	559	562	579	592	554
75°	322	321	324	345	359	340
85°	77	74	72	68	74	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1344.2	1344.2	1344.2	1344.2	1344.2
2.5°	1349.8	1342.7	1341.3	1339.9	1342.7
5°	1345.6	1339.9	1337.1	1335.6	1338.5
7.5°	1338.5	1332.8	1331.4	1328.5	1332.8
10°	1328.5	1322.9	1321.4	1320.0	1324.3
12.5°	1317.2	1311.5	1311.5	1308.7	1311.5
15°	1301.6	1297.3	1295.9	1294.5	1298.7
17.5°	1286.0	1280.3	1280.3	1278.9	1283.1
20°	1266.1	1261.8	1261.8	1260.4	1264.7
22.5°	1244.8	1239.1	1240.5	1240.5	1244.8
25°	1220.7	1216.4	1216.4	1216.4	1220.7
27.5°	1195.1	1190.9	1190.9	1192.3	1195.1
30°	1166.7	1162.5	1162.5	1163.9	1166.7
32.5°	1136.9	1134.1	1134.1	1135.5	1141.2
35°	1104.3	1101.4	1100.0	1102.9	1107.1
37.5°	1070.2	1067.4	1067.4	1071.6	1074.5
40°	1036.2	1031.9	1031.9	1036.2	1040.4
42.5°	996.4	993.6	993.6	997.8	1004.9
45°	956.7	953.8	955.2	962.3	966.6
47.5°	915.5	911.2	914.1	919.8	924.0
50°	871.5	868.7	871.5	877.2	882.9
52.5°	824.7	824.7	824.7	833.2	840.3
55°	776.4	772.1	776.4	784.9	792.0
57.5°	726.7	722.5	725.3	738.1	745.2
60°	672.8	668.5	672.8	687.0	695.5
62.5°	616.0	616.0	618.9	633.0	644.4
65°	560.7	559.2	562.1	579.1	591.9
67.5°	503.9	502.5	503.9	523.8	536.5
70°	444.3	441.4	442.8	465.6	479.8
72.5°	384.7	380.4	386.1	405.9	420.1
75°	322.2	320.8	323.6	344.9	359.1
77.5°	262.6	258.3	259.7	278.2	289.6
80°	198.7	193.0	194.5	205.8	217.2
82.5°	137.7	130.6	132.0	136.3	141.9
85°	76.6	73.8	72.4	68.1	73.8
87.5°	29.8	25.5	21.3	19.9	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)