

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: P189162

Luminaire Tested: **DRI-WD-2L40-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189162
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-2L40-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4217.8 lumens
Efficiency: N/A
Efficacy: 134.8 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

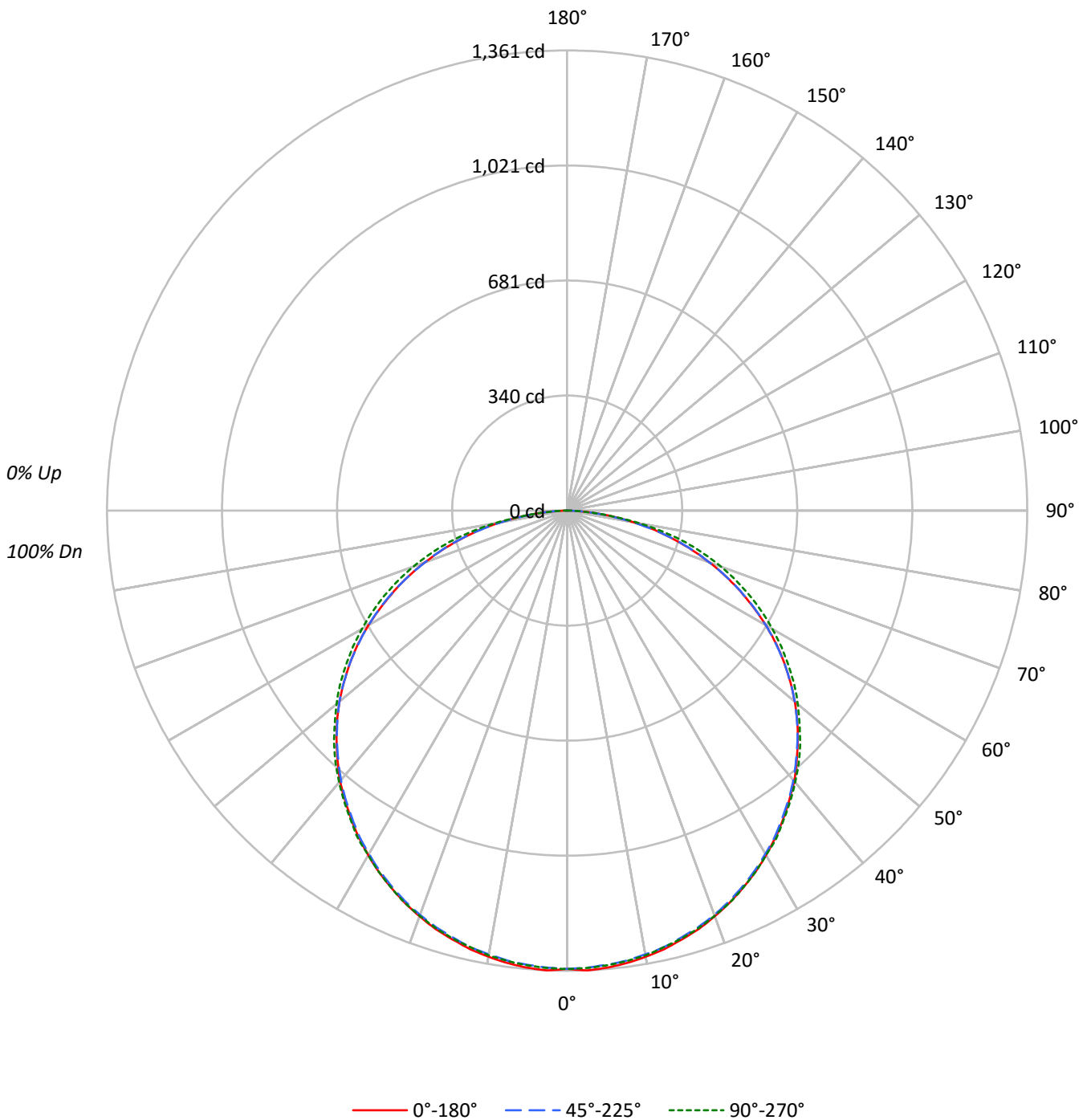
Input Watts (W): 31.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2125	2125	2125
5°	2135	2122	2124
10°	2132	2121	2126
15°	2130	2121	2125
20°	2130	2123	2127
25°	2129	2121	2129
30°	2129	2122	2129
35°	2131	2123	2136
40°	2138	2129	2147
45°	2139	2135	2161
50°	2143	2143	2171
55°	2140	2140	2183
60°	2127	2127	2199
65°	2097	2102	2214
70°	2053	2046	2217
75°	1968	1976	2193
80°	1809	1770	1977
85°	1390	1313	1338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	3.0
10°-20°	369.5	8.8
20°-30°	566.3	13.4
30°-40°	696.5	16.5
40°-50°	745.2	17.7
50°-60°	702.8	16.7
60°-70°	567.2	13.4
70°-80°	351.4	8.3
80°-90°	90.6	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°	1064.2	25.2
0°-40°	1760.7	41.7
0°-60°	3208.7	76.1
0°-90°	4217.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4217.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1356	1356	1356	1356	1356	
5°	1357	1351	1348	1347	1350	129
15°	1313	1308	1307	1306	1310	371
25°	1231	1227	1227	1227	1231	568
35°	1114	1111	1110	1112	1117	697
45°	965	962	963	971	975	745
55°	783	779	783	792	799	700
65°	566	564	567	584	597	559
75°	325	324	326	348	362	343
85°	77	74	73	69	74	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1361.4	1354.2	1352.8	1351.4	1354.2
5°	1357.1	1351.4	1348.5	1347.1	1350.0
7.5°	1350.0	1344.2	1342.8	1339.9	1344.2
10°	1339.9	1334.2	1332.8	1331.3	1335.6
12.5°	1328.5	1322.8	1322.8	1319.9	1322.8
15°	1312.7	1308.4	1307.0	1305.6	1309.9
17.5°	1297.0	1291.3	1291.3	1289.8	1294.1
20°	1276.9	1272.7	1272.7	1271.2	1275.5
22.5°	1255.5	1249.7	1251.2	1251.2	1255.5
25°	1231.1	1226.8	1226.8	1226.8	1231.1
27.5°	1205.4	1201.1	1201.1	1202.5	1205.4
30°	1176.7	1172.4	1172.4	1173.9	1176.7
32.5°	1146.7	1143.8	1143.8	1145.2	1151.0
35°	1113.7	1110.9	1109.5	1112.3	1116.6
37.5°	1079.4	1076.5	1076.5	1080.8	1083.7
40°	1045.0	1040.7	1040.7	1045.0	1049.3
42.5°	1004.9	1002.1	1002.1	1006.4	1013.5
45°	964.9	962.0	963.4	970.6	974.9
47.5°	923.4	919.1	921.9	927.6	931.9
50°	879.0	876.1	879.0	884.7	890.4
52.5°	831.7	831.7	831.7	840.3	847.5
55°	783.1	778.8	783.1	791.6	798.8
57.5°	733.0	728.7	731.5	744.4	751.6
60°	678.6	674.3	678.6	692.9	701.5
62.5°	621.3	621.3	624.2	638.5	649.9
65°	565.5	564.0	566.9	584.1	597.0
67.5°	508.2	506.8	508.2	528.2	541.1
70°	448.1	445.2	446.6	469.5	483.9
72.5°	388.0	383.7	389.4	409.4	423.7
75°	325.0	323.5	326.4	347.9	362.2
77.5°	264.8	260.5	262.0	280.6	292.0
80°	200.4	194.7	196.1	207.6	219.0
82.5°	138.9	131.7	133.1	137.4	143.2
85°	77.3	74.4	73.0	68.7	74.4
87.5°	30.1	25.8	21.5	20.0	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)