

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: P189159

Luminaire Tested: **DRI-WD-5L40-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34824)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WD-5L40-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (168) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

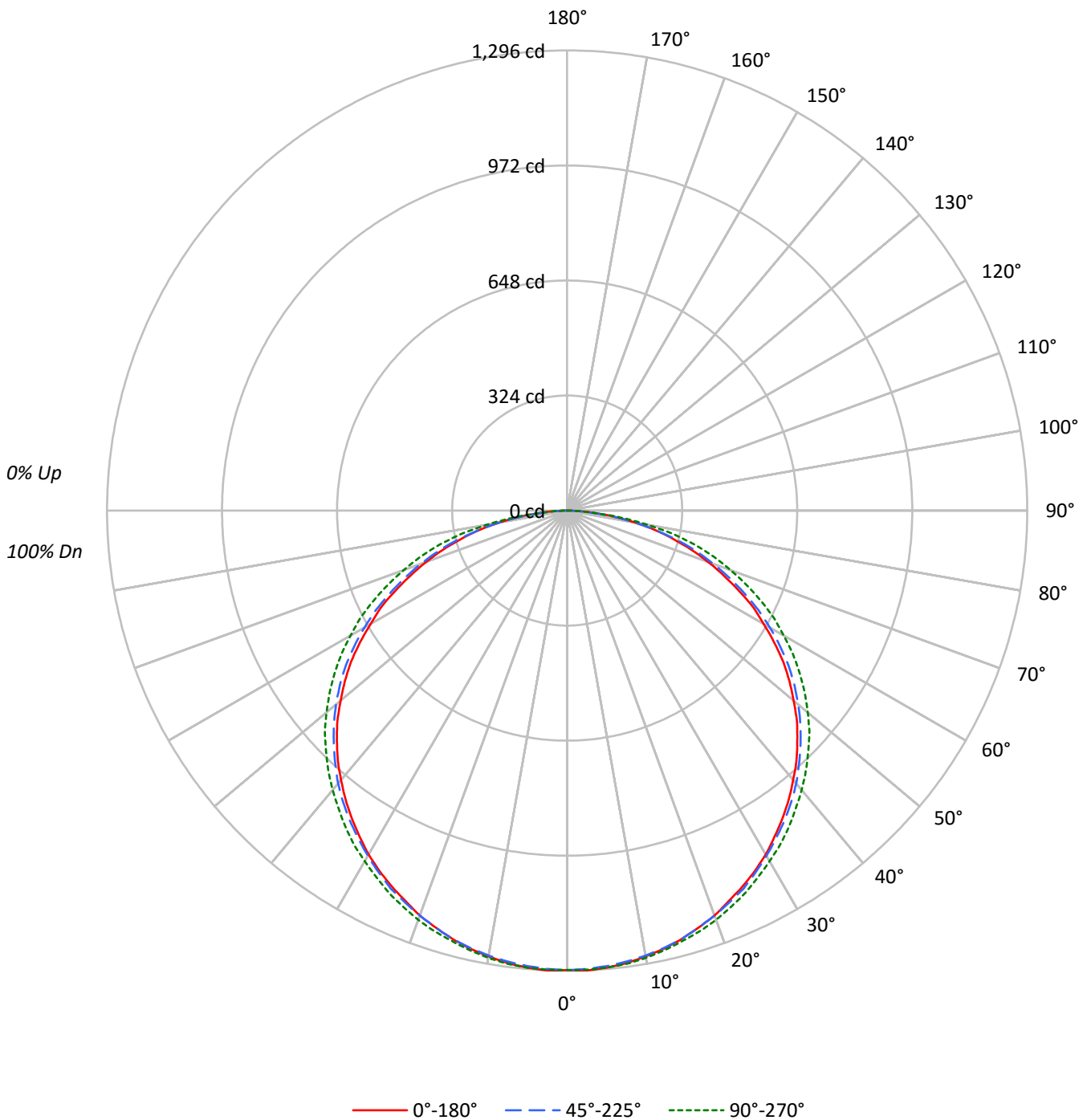
Lumens per Lamp: N/A
Luminaire Lumens: 4084.6 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 33.9
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	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	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	38		50	43	38		49	42	38	35
7	63	50	40	34	62	49	40	34	47	39	34		46	39	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		38	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4339	4339	4339
5°	4349	4334	4349
10°	4340	4332	4355
15°	4334	4334	4357
20°	4332	4332	4378
25°	4323	4347	4395
30°	4331	4348	4415
35°	4330	4366	4455
40°	4336	4393	4498
45°	4348	4410	4554
50°	4342	4433	4614
55°	4347	4448	4676
60°	4289	4419	4725
65°	4231	4369	4781
70°	4144	4293	4803
75°	4016	4156	4830
80°	3725	3767	4437
85°	3086	2751	3086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	3.0
10°-20°	353.0	8.6
20°-30°	542.2	13.3
30°-40°	669.8	16.4
40°-50°	720.9	17.6
50°-60°	683.5	16.7
60°-70°	553.2	13.5
70°-80°	347.1	8.5
80°-90°	92.2	2.3
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°	1017.9	24.9
0°-40°	1687.6	41.3
0°-60°	3092.0	75.7
0°-90°	4084.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4084.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1292	1290	1288	1290	1292	123
15°	1249	1246	1249	1253	1255	353
25°	1168	1171	1175	1181	1188	539
35°	1058	1060	1066	1080	1088	662
45°	917	919	930	949	960	707
55°	744	746	761	785	800	662
65°	533	538	551	581	603	528
75°	310	310	321	351	373	326
85°	80	74	72	78	80	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1294.1	1294.1	1294.1	1294.1	1294.1
2.5°	1296.3	1291.9	1291.9	1294.1	1294.1
5°	1291.9	1289.8	1287.6	1289.8	1291.9
7.5°	1285.4	1281.1	1281.1	1283.3	1287.6
10°	1274.6	1272.4	1272.4	1276.8	1278.9
12.5°	1263.8	1261.6	1261.6	1265.9	1268.1
15°	1248.6	1246.4	1248.6	1252.9	1255.1
17.5°	1231.2	1231.2	1231.2	1237.8	1242.1
20°	1213.9	1211.7	1213.9	1220.4	1226.9
22.5°	1190.1	1192.2	1194.4	1203.1	1207.4
25°	1168.4	1170.6	1174.9	1181.4	1187.9
27.5°	1144.5	1144.5	1148.9	1159.7	1164.0
30°	1118.5	1118.5	1122.9	1133.7	1140.2
32.5°	1088.2	1090.3	1094.7	1109.9	1116.4
35°	1057.8	1060.0	1066.5	1079.5	1088.2
37.5°	1025.3	1027.5	1036.2	1049.2	1057.8
40°	990.6	995.0	1003.6	1018.8	1027.5
42.5°	956.0	958.1	966.8	984.1	995.0
45°	916.9	919.1	929.9	949.4	960.3
47.5°	877.9	877.9	890.9	912.6	925.6
50°	832.4	836.7	849.7	871.4	884.4
52.5°	789.0	793.4	806.4	830.2	843.2
55°	743.5	745.7	760.9	784.7	799.9
57.5°	691.5	695.8	711.0	739.2	754.4
60°	639.5	646.0	659.0	687.2	704.5
62.5°	591.8	593.9	607.0	637.3	656.8
65°	533.3	537.6	550.6	580.9	602.6
67.5°	476.9	479.1	494.2	526.7	546.3
70°	422.7	427.0	437.9	472.6	489.9
72.5°	366.3	366.3	381.5	416.2	433.5
75°	310.0	310.0	320.8	351.2	372.8
77.5°	253.6	251.5	255.8	288.3	305.6
80°	192.9	188.6	195.1	214.6	229.8
82.5°	132.2	130.1	130.1	143.1	153.9
85°	80.2	73.7	71.5	78.0	80.2
87.5°	32.5	28.2	23.8	21.7	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)