

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: P189070

Luminaire Tested: **DRI-WD-3L30-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34833)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WD-3L30-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4278.9 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.46
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

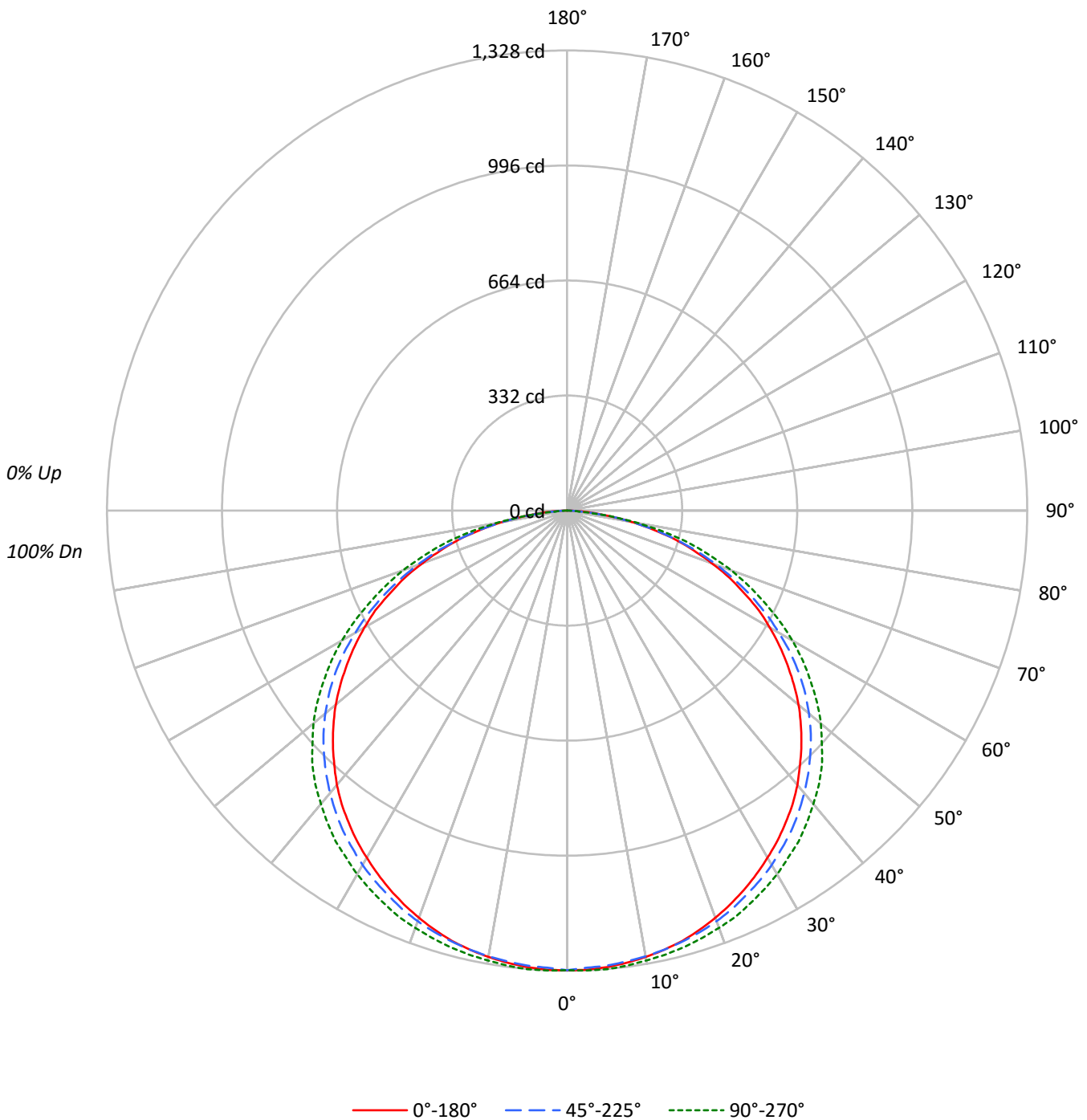
Input Watts (W): 33.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74		81	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	51		62	56	51		60	55	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	36
7	63	50	40	34	62	49	40	34	47	39	34		46	39	34		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	39	32	27		38	32	27		37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3887	3887	3887
5°	3890	3877	3907
10°	3892	3886	3922
15°	3899	3906	3956
20°	3900	3932	3996
25°	3905	3957	4043
30°	3913	3996	4100
35°	3932	4034	4166
40°	3954	4072	4228
45°	3961	4114	4309
50°	3975	4152	4358
55°	3963	4173	4381
60°	3959	4138	4403
65°	3903	4073	4357
70°	3805	3946	4314
75°	3661	3708	4148
80°	3177	3177	3489
85°	2340	1997	1375



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	2.9
10°-20°	365.1	8.5
20°-30°	566.6	13.2
30°-40°	707.3	16.5
40°-50°	768.1	18.0
50°-60°	729.8	17.1
60°-70°	585.6	13.7
70°-80°	352.0	8.2
80°-90°	78.6	1.8
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°	1057.5	24.7
0°-40°	1764.8	41.2
0°-60°	3262.7	76.3
0°-90°	4278.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4278.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1326	1326	1326	1326	1326	
5°	1322	1322	1318	1324	1328	126
15°	1286	1286	1288	1300	1304	363
25°	1208	1214	1224	1245	1251	557
35°	1099	1108	1128	1152	1165	688
45°	956	968	993	1026	1040	738
55°	776	790	817	845	858	694
65°	563	571	588	616	628	558
75°	323	323	328	352	366	337
85°	70	66	59	49	41	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1326.5	1326.5	1326.5	1326.5	1326.5
2.5°	1326.5	1326.5	1320.3	1328.5	1328.5
5°	1322.4	1322.4	1318.3	1324.4	1328.5
7.5°	1316.3	1316.3	1312.2	1320.3	1324.4
10°	1308.1	1308.1	1306.0	1314.2	1318.3
12.5°	1297.8	1299.9	1297.8	1308.1	1312.2
15°	1285.5	1285.5	1287.6	1299.9	1304.0
17.5°	1269.2	1271.2	1275.3	1287.6	1293.7
20°	1250.7	1254.8	1261.0	1275.3	1281.5
22.5°	1230.3	1236.4	1244.6	1261.0	1269.2
25°	1207.8	1213.9	1224.1	1244.6	1250.7
27.5°	1183.2	1191.4	1203.7	1224.1	1232.3
30°	1156.6	1164.8	1181.1	1201.6	1211.9
32.5°	1130.0	1138.2	1154.5	1177.1	1187.3
35°	1099.3	1107.5	1127.9	1152.5	1164.8
37.5°	1068.6	1076.7	1097.2	1123.8	1136.1
40°	1033.8	1044.0	1064.5	1093.1	1105.4
42.5°	994.9	1005.1	1029.7	1062.4	1074.7
45°	956.0	968.3	992.8	1025.6	1039.9
47.5°	915.0	927.3	953.9	986.7	996.9
50°	872.0	884.3	910.9	943.7	956.0
52.5°	825.0	841.3	865.9	896.6	908.9
55°	775.8	790.2	816.8	845.4	857.7
57.5°	726.7	739.0	763.6	792.2	806.5
60°	675.5	683.7	706.2	734.9	751.3
62.5°	624.4	630.5	648.9	675.5	691.9
65°	562.9	571.1	587.5	616.2	628.4
67.5°	507.7	511.8	524.0	552.7	567.0
70°	444.2	450.4	460.6	485.2	503.6
72.5°	382.8	386.9	395.1	417.6	434.0
75°	323.4	323.4	327.5	352.1	366.4
77.5°	253.8	255.9	257.9	278.4	288.6
80°	188.3	188.3	188.3	196.5	206.8
82.5°	124.9	122.8	120.8	122.8	126.9
85°	69.6	65.5	59.4	49.1	40.9
87.5°	24.6	20.5	8.2	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)