

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: P189071

Luminaire Tested: **DRI-WD-4L30-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189071
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-4L30-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

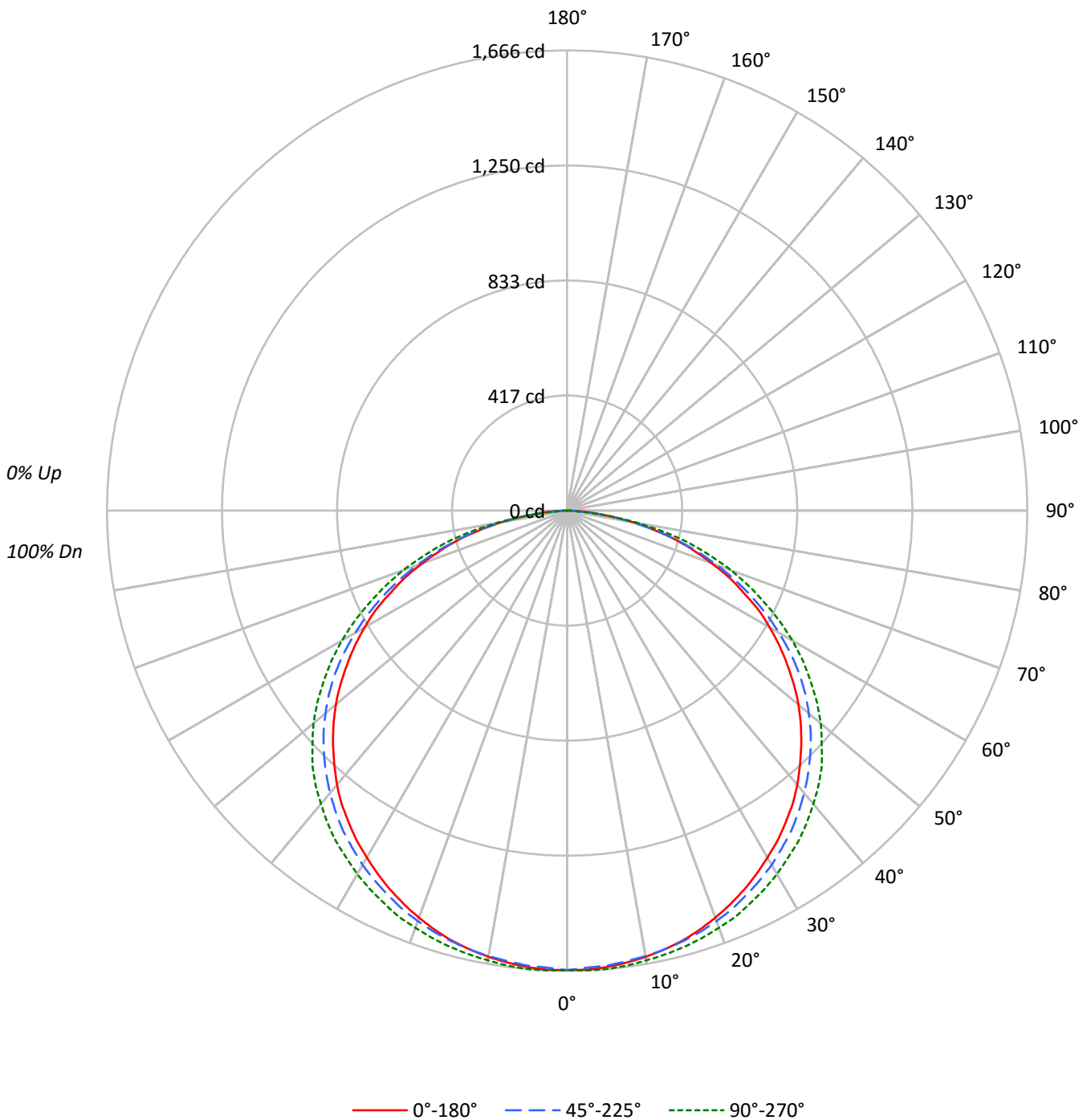
Lumens per Lamp: N/A
Luminaire Lumens: 5366.6 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.46
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 43.3
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	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°	4875	4875	4875
5°	4878	4863	4901
10°	4881	4873	4919
15°	4891	4899	4961
20°	4891	4931	5011
25°	4897	4964	5072
30°	4908	5012	5142
35°	4932	5060	5225
40°	4959	5106	5303
45°	4968	5160	5404
50°	4985	5208	5465
55°	4970	5233	5495
60°	4965	5190	5521
65°	4895	5108	5465
70°	4773	4949	5411
75°	4592	4651	5203
80°	3986	3986	4375
85°	2935	2505	1725



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.8	2.9
10°-20°	457.9	8.5
20°-30°	710.7	13.2
30°-40°	887.1	16.5
40°-50°	963.3	18.0
50°-60°	915.3	17.1
60°-70°	734.4	13.7
70°-80°	441.5	8.2
80°-90°	98.6	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°	1326.4	24.7
0°-40°	2213.4	41.2
0°-60°	4092.1	76.3
0°-90°	5366.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5366.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1664	1664	1664	1664	1664	
5°	1658	1658	1653	1661	1666	158
15°	1612	1612	1615	1630	1635	455
25°	1515	1522	1535	1561	1569	699
35°	1379	1389	1415	1445	1461	863
45°	1199	1214	1245	1286	1304	925
55°	973	991	1024	1060	1076	870
65°	706	716	737	773	788	700
75°	406	406	411	442	460	422
85°	87	82	74	62	51	107
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1663.7	1663.7	1663.7	1663.7	1663.7
2.5°	1663.7	1663.7	1656.0	1666.2	1666.2
5°	1658.5	1658.5	1653.4	1661.1	1666.2
7.5°	1650.8	1650.8	1645.7	1656.0	1661.1
10°	1640.6	1640.6	1638.0	1648.3	1653.4
12.5°	1627.7	1630.3	1627.7	1640.6	1645.7
15°	1612.3	1612.3	1614.9	1630.3	1635.4
17.5°	1591.8	1594.3	1599.5	1614.9	1622.6
20°	1568.7	1573.8	1581.5	1599.5	1607.2
22.5°	1543.0	1550.7	1561.0	1581.5	1591.8
25°	1514.8	1522.5	1535.3	1561.0	1568.7
27.5°	1483.9	1494.2	1509.6	1535.3	1545.6
30°	1450.6	1460.8	1481.4	1507.1	1519.9
32.5°	1417.2	1427.5	1448.0	1476.2	1489.1
35°	1378.7	1389.0	1414.6	1445.4	1460.8
37.5°	1340.2	1350.4	1376.1	1409.5	1424.9
40°	1296.5	1309.4	1335.0	1371.0	1386.4
42.5°	1247.7	1260.6	1291.4	1332.5	1347.9
45°	1199.0	1214.4	1245.2	1286.3	1304.2
47.5°	1147.6	1163.0	1196.4	1237.5	1250.3
50°	1093.7	1109.1	1142.5	1183.6	1199.0
52.5°	1034.7	1055.2	1086.0	1124.5	1139.9
55°	973.0	991.0	1024.4	1060.3	1075.7
57.5°	911.4	926.8	957.6	993.6	1011.5
60°	847.2	857.5	885.7	921.7	942.2
62.5°	783.1	790.8	813.9	847.2	867.8
65°	706.0	716.3	736.8	772.8	788.2
67.5°	636.7	641.8	657.2	693.2	711.2
70°	557.1	564.8	577.7	608.5	631.6
72.5°	480.1	485.2	495.5	523.7	544.3
75°	405.6	405.6	410.8	441.6	459.6
77.5°	318.4	320.9	323.5	349.2	362.0
80°	236.2	236.2	236.2	246.5	259.3
82.5°	156.6	154.0	151.5	154.0	159.2
85°	87.3	82.2	74.5	61.6	51.3
87.5°	30.8	25.7	10.3	7.7	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)