

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: P189091

Luminaire Tested: **DRI-WD-2L30-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189091
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-2L30-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

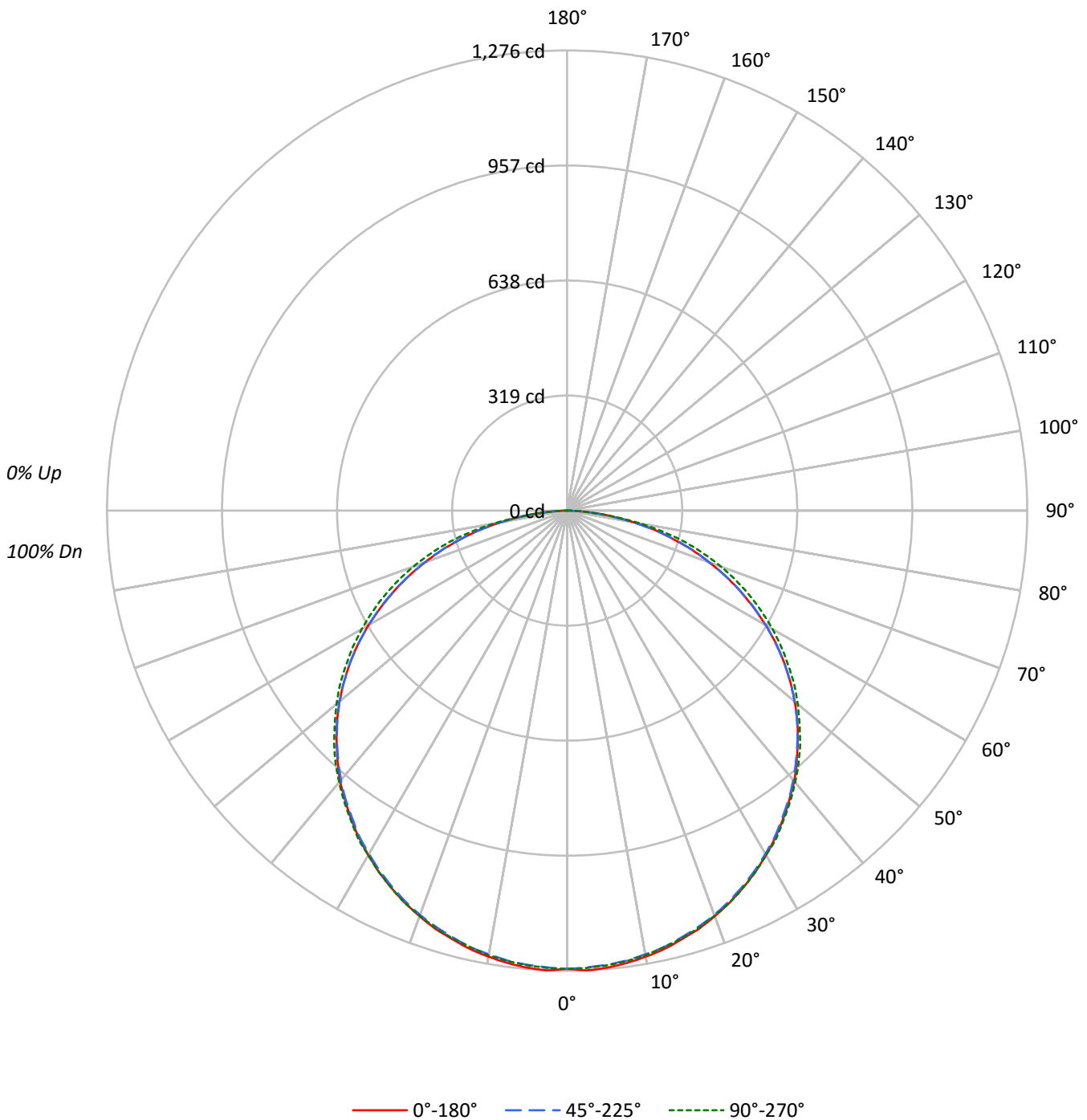
Lumens per Lamp: N/A
Luminaire Lumens: 3953.9 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.42
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

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°	1992	1992	1992
5°	2001	1989	1991
10°	1999	1988	1992
15°	1997	1988	1992
20°	1996	1990	1994
25°	1996	1989	1996
30°	1996	1989	1996
35°	1997	1990	2003
40°	2004	1996	2013
45°	2005	2002	2026
50°	2009	2009	2035
55°	2006	2006	2046
60°	1994	1994	2061
65°	1966	1971	2075
70°	1925	1919	2079
75°	1844	1853	2056
80°	1696	1659	1853
85°	1304	1230	1255



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	3.0
10°-20°	346.4	8.8
20°-30°	530.9	13.4
30°-40°	652.9	16.5
40°-50°	698.6	17.7
50°-60°	658.9	16.7
60°-70°	531.7	13.4
70°-80°	329.4	8.3
80°-90°	84.9	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°	997.6	25.2
0°-40°	1650.5	41.7
0°-60°	3007.9	76.1
0°-90°	3953.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3953.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1272	1267	1264	1263	1266	121
15°	1231	1226	1225	1224	1228	348
25°	1154	1150	1150	1150	1154	532
35°	1044	1041	1040	1043	1047	654
45°	904	902	903	910	914	698
55°	734	730	734	742	749	656
65°	530	529	531	548	560	524
75°	305	303	306	326	340	322
85°	72	70	68	64	70	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1270.8	1270.8	1270.8	1270.8	1270.8
2.5°	1276.2	1269.5	1268.2	1266.8	1269.5
5°	1272.2	1266.8	1264.1	1262.8	1265.5
7.5°	1265.5	1260.1	1258.8	1256.1	1260.1
10°	1256.1	1250.7	1249.4	1248.0	1252.0
12.5°	1245.3	1240.0	1240.0	1237.3	1240.0
15°	1230.6	1226.5	1225.2	1223.9	1227.9
17.5°	1215.8	1210.4	1210.4	1209.1	1213.1
20°	1197.0	1193.0	1193.0	1191.7	1195.7
22.5°	1176.9	1171.5	1172.9	1172.9	1176.9
25°	1154.1	1150.1	1150.1	1150.1	1154.1
27.5°	1129.9	1125.9	1125.9	1127.2	1129.9
30°	1103.1	1099.1	1099.1	1100.4	1103.1
32.5°	1074.9	1072.2	1072.2	1073.6	1078.9
35°	1044.0	1041.4	1040.0	1042.7	1046.7
37.5°	1011.8	1009.2	1009.2	1013.2	1015.9
40°	979.6	975.6	975.6	979.6	983.7
42.5°	942.1	939.4	939.4	943.4	950.1
45°	904.5	901.8	903.1	909.8	913.9
47.5°	865.6	861.5	864.2	869.6	873.6
50°	824.0	821.3	824.0	829.3	834.7
52.5°	779.7	779.7	779.7	787.7	794.4
55°	734.1	730.0	734.1	742.1	748.8
57.5°	687.1	683.1	685.7	697.8	704.5
60°	636.1	632.1	636.1	649.5	657.6
62.5°	582.4	582.4	585.1	598.5	609.2
65°	530.1	528.7	531.4	547.5	559.6
67.5°	476.4	475.1	476.4	495.2	507.3
70°	420.0	417.3	418.7	440.2	453.6
72.5°	363.7	359.6	365.0	383.8	397.2
75°	304.6	303.3	306.0	326.1	339.5
77.5°	248.3	244.2	245.6	263.0	273.8
80°	187.9	182.5	183.8	194.6	205.3
82.5°	130.2	123.5	124.8	128.8	134.2
85°	72.5	69.8	68.4	64.4	69.8
87.5°	28.2	24.2	20.1	18.8	20.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)