

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: P189158

Luminaire Tested: **DRI-WD-4L40-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189158
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-4L40-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: 3557.4 lumens
Efficiency: N/A
Efficacy: 123.1 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

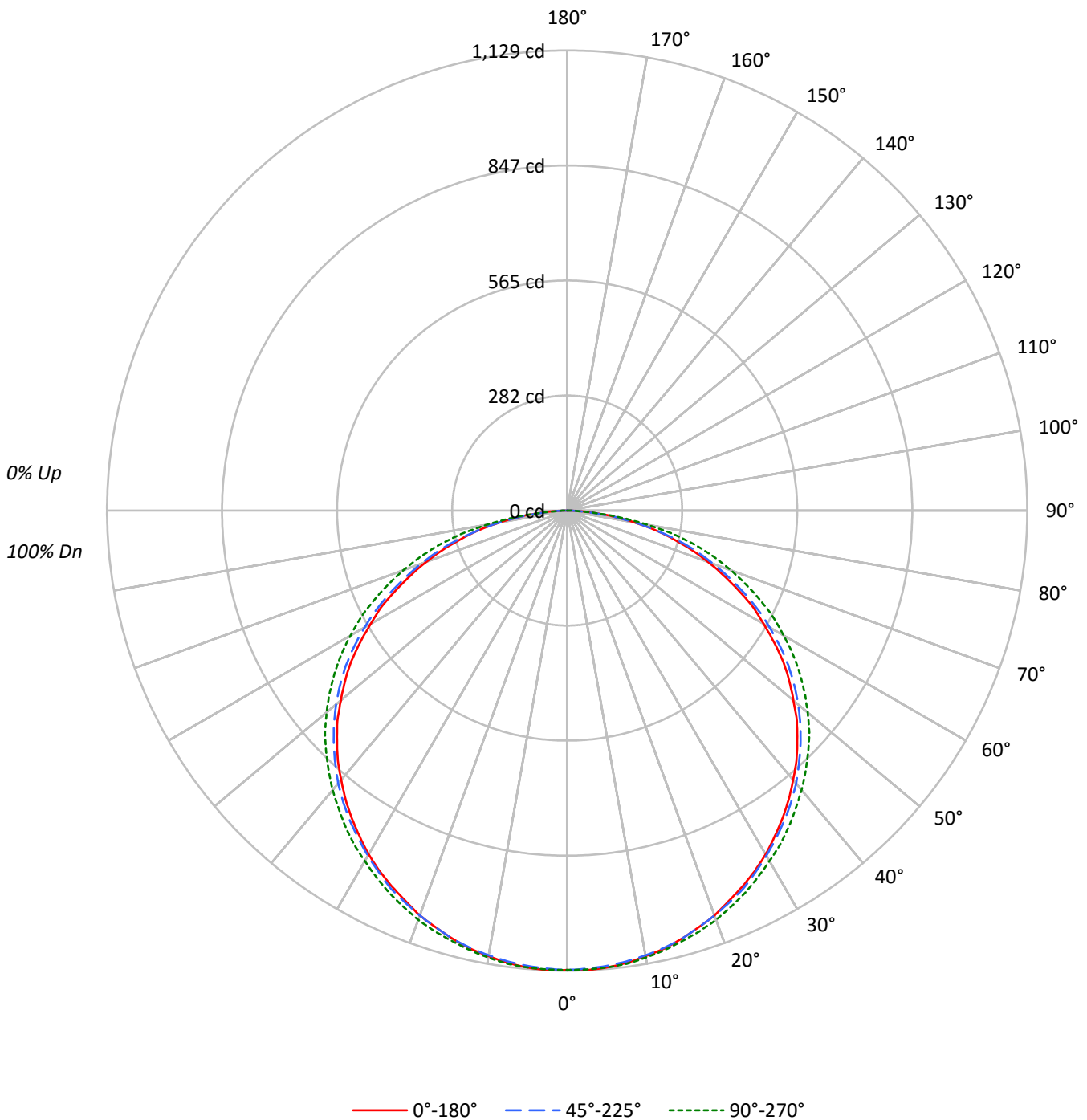
Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3779	3779	3779
5°	3787	3775	3787
10°	3780	3773	3792
15°	3775	3775	3795
20°	3772	3772	3813
25°	3765	3786	3828
30°	3772	3786	3845
35°	3771	3802	3879
40°	3777	3826	3917
45°	3787	3841	3966
50°	3782	3860	4018
55°	3785	3874	4072
60°	3735	3849	4115
65°	3685	3804	4164
70°	3609	3739	4183
75°	3498	3620	4207
80°	3244	3281	3864
85°	2689	2397	2689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.8	3.0
10°-20°	307.5	8.6
20°-30°	472.2	13.3
30°-40°	583.3	16.4
40°-50°	627.8	17.6
50°-60°	595.3	16.7
60°-70°	481.8	13.5
70°-80°	302.3	8.5
80°-90°	80.3	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°	886.5	24.9
0°-40°	1469.8	41.3
0°-60°	2692.9	75.7
0°-90°	3557.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3557.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1127	1127	1127	1127	1127	
5°	1125	1123	1121	1123	1125	107
15°	1087	1086	1087	1091	1093	307
25°	1018	1020	1023	1029	1035	469
35°	921	923	929	940	948	577
45°	799	800	810	827	836	616
55°	648	649	663	683	697	577
65°	464	468	480	506	525	460
75°	270	270	279	306	325	284
85°	70	64	62	68	70	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1127.1	1127.1	1127.1	1127.1	1127.1
2.5°	1129.0	1125.2	1125.2	1127.1	1127.1
5°	1125.2	1123.3	1121.4	1123.3	1125.2
7.5°	1119.5	1115.7	1115.7	1117.6	1121.4
10°	1110.1	1108.2	1108.2	1112.0	1113.8
12.5°	1100.6	1098.7	1098.7	1102.5	1104.4
15°	1087.4	1085.5	1087.4	1091.2	1093.1
17.5°	1072.3	1072.3	1072.3	1078.0	1081.8
20°	1057.2	1055.3	1057.2	1062.9	1068.5
22.5°	1036.4	1038.3	1040.2	1047.8	1051.5
25°	1017.6	1019.5	1023.2	1028.9	1034.6
27.5°	996.8	996.8	1000.6	1010.0	1013.8
30°	974.1	974.1	977.9	987.4	993.0
32.5°	947.7	949.6	953.4	966.6	972.3
35°	921.3	923.2	928.8	940.2	947.7
37.5°	893.0	894.9	902.4	913.7	921.3
40°	862.8	866.5	874.1	887.3	894.9
42.5°	832.6	834.4	842.0	857.1	866.5
45°	798.6	800.5	809.9	826.9	836.3
47.5°	764.6	764.6	775.9	794.8	806.1
50°	724.9	728.7	740.0	758.9	770.3
52.5°	687.2	691.0	702.3	723.1	734.4
55°	647.5	649.4	662.6	683.4	696.6
57.5°	602.2	606.0	619.2	643.8	657.0
60°	556.9	562.6	573.9	598.5	613.6
62.5°	515.4	517.3	528.6	555.0	572.0
65°	464.4	468.2	479.5	506.0	524.8
67.5°	415.3	417.2	430.4	458.8	475.7
70°	368.1	371.9	381.4	411.6	426.7
72.5°	319.1	319.1	332.3	362.5	377.6
75°	270.0	270.0	279.4	305.8	324.7
77.5°	220.9	219.0	222.8	251.1	266.2
80°	168.0	164.2	169.9	186.9	200.1
82.5°	115.2	113.3	113.3	124.6	134.0
85°	69.9	64.2	62.3	68.0	69.9
87.5°	28.3	24.5	20.8	18.9	20.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)