

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: P189157

Luminaire Tested: **DRI-WD-3L40-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189157
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-3L40-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

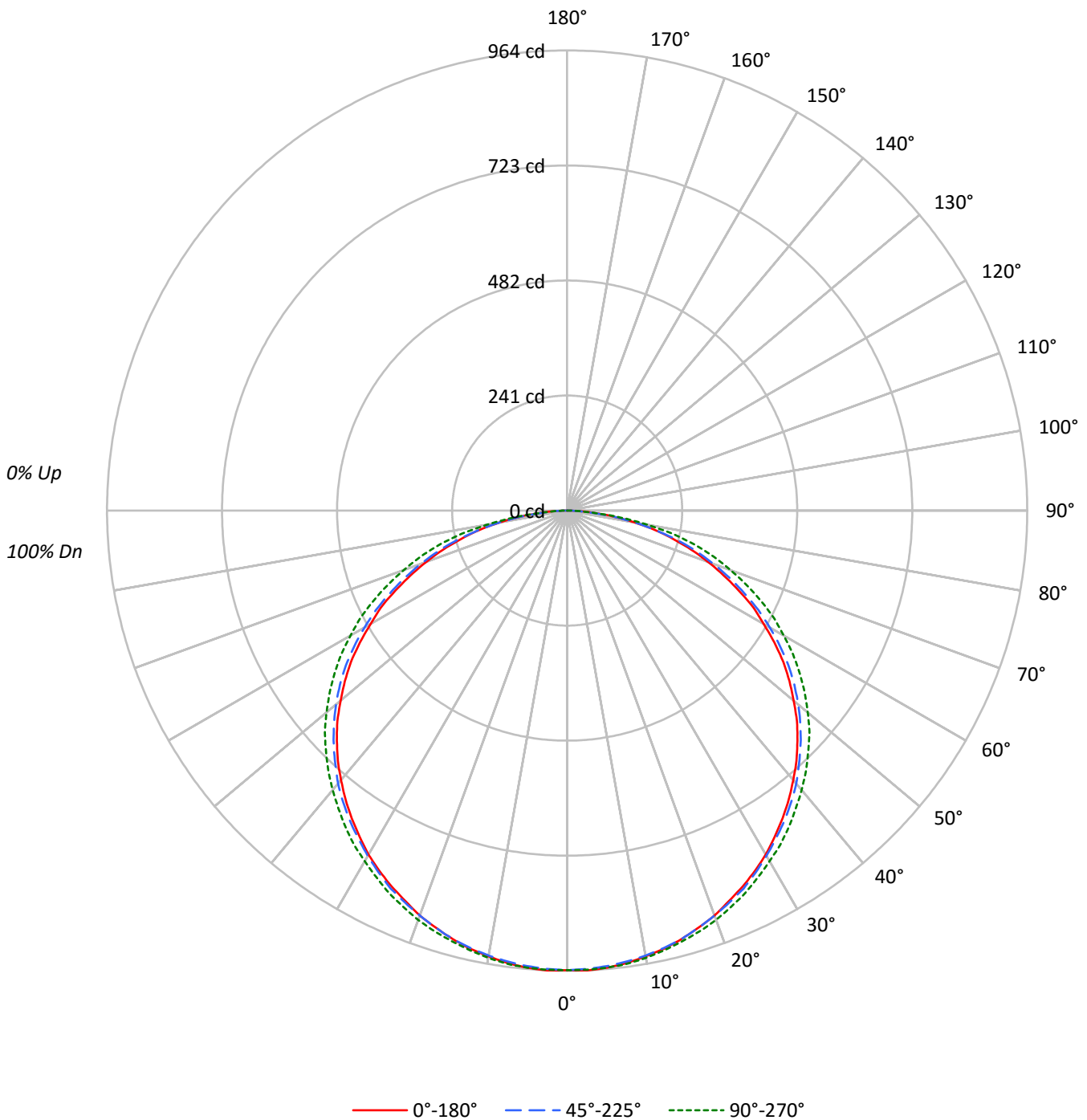
Lumens per Lamp: N/A
Luminaire Lumens: 3038.5 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 24.4
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°	3228	3228	3228
5°	3235	3224	3235
10°	3229	3223	3239
15°	3224	3224	3241
20°	3222	3222	3257
25°	3216	3234	3270
30°	3222	3234	3284
35°	3221	3248	3314
40°	3226	3268	3346
45°	3235	3281	3388
50°	3230	3297	3432
55°	3233	3309	3478
60°	3190	3287	3515
65°	3148	3250	3557
70°	3082	3193	3573
75°	2988	3093	3594
80°	2771	2802	3300
85°	2297	2047	2297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	3.0
10°-20°	262.6	8.6
20°-30°	403.4	13.3
30°-40°	498.2	16.4
40°-50°	536.3	17.6
50°-60°	508.4	16.7
60°-70°	411.6	13.5
70°-80°	258.2	8.5
80°-90°	68.6	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°	757.2	24.9
0°-40°	1255.5	41.3
0°-60°	2300.2	75.7
0°-90°	3038.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3038.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	963	963	963	963	963	
5°	961	960	958	960	961	91
15°	929	927	929	932	934	262
25°	869	871	874	879	884	401
35°	787	788	793	803	810	493
45°	682	684	692	706	714	526
55°	553	555	566	584	595	493
65°	397	400	410	432	448	393
75°	231	231	239	261	277	243
85°	60	55	53	58	60	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	962.7	962.7	962.7	962.7	962.7
2.5°	964.3	961.1	961.1	962.7	962.7
5°	961.1	959.5	957.9	959.5	961.1
7.5°	956.2	953.0	953.0	954.6	957.9
10°	948.2	946.6	946.6	949.8	951.4
12.5°	940.1	938.5	938.5	941.7	943.3
15°	928.8	927.2	928.8	932.1	933.7
17.5°	915.9	915.9	915.9	920.8	924.0
20°	903.0	901.4	903.0	907.9	912.7
22.5°	885.3	886.9	888.5	895.0	898.2
25°	869.2	870.8	874.0	878.8	883.7
27.5°	851.4	851.4	854.7	862.7	865.9
30°	832.1	832.1	835.3	843.4	848.2
32.5°	809.5	811.1	814.3	825.6	830.5
35°	786.9	788.5	793.4	803.1	809.5
37.5°	762.7	764.4	770.8	780.5	786.9
40°	736.9	740.2	746.6	757.9	764.4
42.5°	711.1	712.7	719.2	732.1	740.2
45°	682.1	683.7	691.8	706.3	714.4
47.5°	653.1	653.1	662.8	678.9	688.6
50°	619.2	622.4	632.1	648.2	657.9
52.5°	587.0	590.2	599.9	617.6	627.3
55°	553.1	554.7	566.0	583.7	595.0
57.5°	514.4	517.6	528.9	549.9	561.2
60°	475.7	480.5	490.2	511.2	524.1
62.5°	440.2	441.8	451.5	474.1	488.6
65°	396.7	399.9	409.6	432.2	448.3
67.5°	354.8	356.4	367.7	391.9	406.4
70°	314.4	317.7	325.7	351.5	364.4
72.5°	272.5	272.5	283.8	309.6	322.5
75°	230.6	230.6	238.7	261.2	277.4
77.5°	188.7	187.1	190.3	214.5	227.4
80°	143.5	140.3	145.1	159.6	170.9
82.5°	98.4	96.8	96.8	106.4	114.5
85°	59.7	54.8	53.2	58.1	59.7
87.5°	24.2	21.0	17.7	16.1	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)