

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: P189156

Luminaire Tested: **DRI-WD-2L40-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189156
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-2L40-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

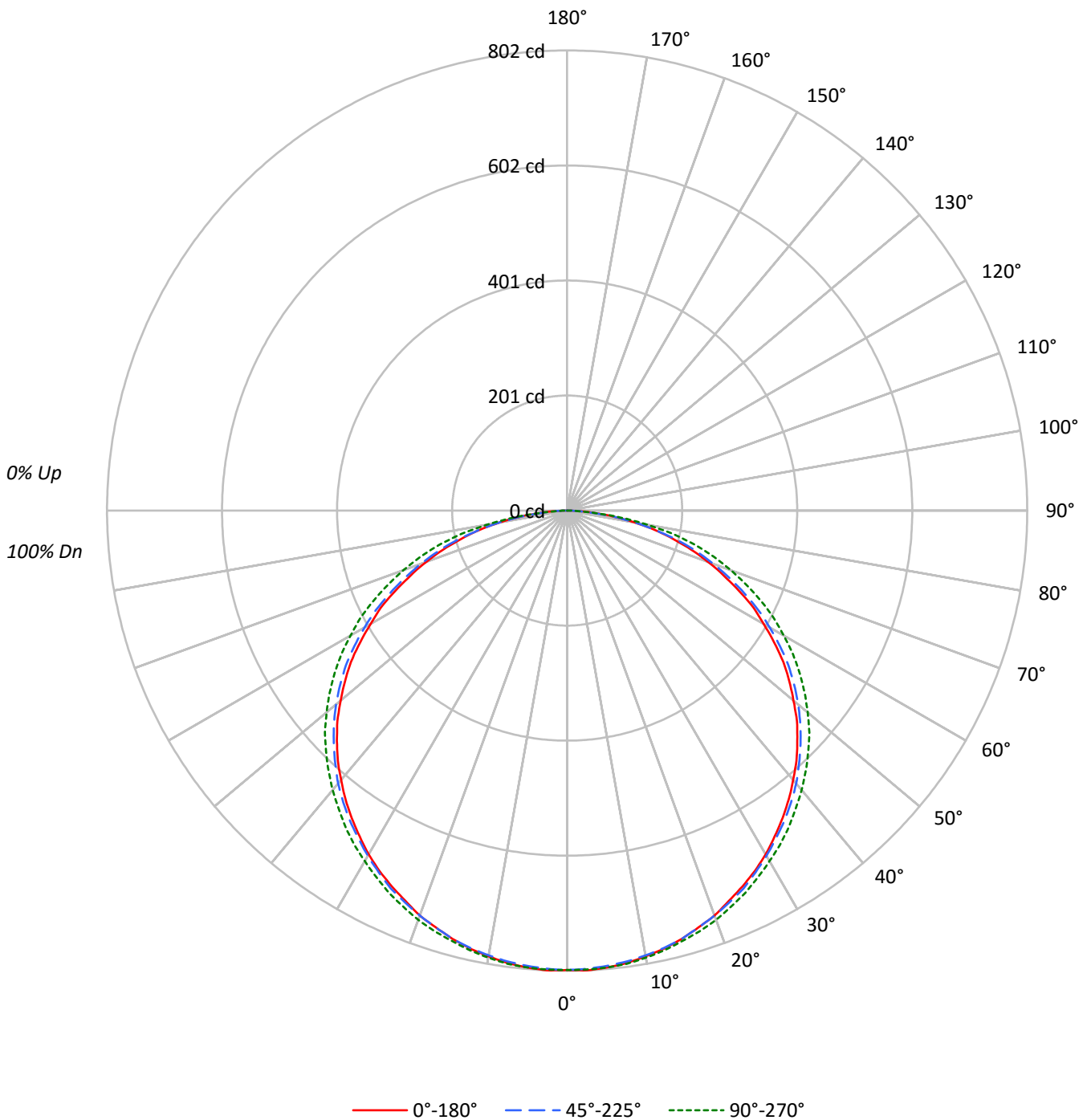
Lumens per Lamp: N/A
Luminaire Lumens: 2527.3 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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°	2685	2685	2685
5°	2691	2682	2691
10°	2685	2681	2694
15°	2682	2682	2696
20°	2680	2680	2709
25°	2675	2690	2719
30°	2680	2690	2732
35°	2679	2701	2756
40°	2683	2718	2783
45°	2691	2729	2818
50°	2687	2743	2855
55°	2690	2752	2893
60°	2654	2734	2923
65°	2618	2703	2959
70°	2564	2656	2972
75°	2485	2572	2989
80°	2306	2331	2746
85°	1908	1704	1908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	3.0
10°-20°	218.4	8.6
20°-30°	335.5	13.3
30°-40°	414.4	16.4
40°-50°	446.0	17.6
50°-60°	422.9	16.7
60°-70°	342.3	13.5
70°-80°	214.8	8.5
80°-90°	57.1	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°	629.8	24.9
0°-40°	1044.2	41.3
0°-60°	1913.2	75.7
0°-90°	2527.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2527.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	799	798	797	798	799	76
15°	773	771	773	775	777	218
25°	723	724	727	731	735	334
35°	654	656	660	668	673	410
45°	567	569	575	588	594	438
55°	460	461	471	486	495	410
65°	330	333	341	360	373	327
75°	192	192	198	217	231	202
85°	50	46	44	48	50	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	800.7	800.7	800.7	800.7	800.7
2.5°	802.1	799.4	799.4	800.7	800.7
5°	799.4	798.0	796.7	798.0	799.4
7.5°	795.4	792.7	792.7	794.0	796.7
10°	788.7	787.3	787.3	790.0	791.3
12.5°	782.0	780.6	780.6	783.3	784.6
15°	772.6	771.2	772.6	775.2	776.6
17.5°	761.8	761.8	761.8	765.9	768.5
20°	751.1	749.8	751.1	755.1	759.2
22.5°	736.4	737.7	739.0	744.4	747.1
25°	722.9	724.3	727.0	731.0	735.0
27.5°	708.2	708.2	710.9	717.6	720.3
30°	692.1	692.1	694.8	701.5	705.5
32.5°	673.3	674.7	677.3	686.7	690.7
35°	654.5	655.9	659.9	667.9	673.3
37.5°	634.4	635.8	641.1	649.2	654.5
40°	613.0	615.6	621.0	630.4	635.8
42.5°	591.5	592.8	598.2	608.9	615.6
45°	567.4	568.7	575.4	587.5	594.2
47.5°	543.2	543.2	551.3	564.7	572.7
50°	515.0	517.7	525.8	539.2	547.2
52.5°	488.2	490.9	498.9	513.7	521.7
55°	460.1	461.4	470.8	485.5	494.9
57.5°	427.9	430.5	439.9	457.4	466.8
60°	395.7	399.7	407.7	425.2	435.9
62.5°	366.2	367.5	375.6	394.3	406.4
65°	329.9	332.6	340.7	359.5	372.9
67.5°	295.1	296.4	305.8	325.9	338.0
70°	261.5	264.2	270.9	292.4	303.1
72.5°	226.7	226.7	236.1	257.5	268.3
75°	191.8	191.8	198.5	217.3	230.7
77.5°	156.9	155.6	158.3	178.4	189.1
80°	119.4	116.7	120.7	132.8	142.2
82.5°	81.8	80.5	80.5	88.5	95.2
85°	49.6	45.6	44.3	48.3	49.6
87.5°	20.1	17.4	14.8	13.4	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)