

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: P189172

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34832)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-2L40-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (168) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

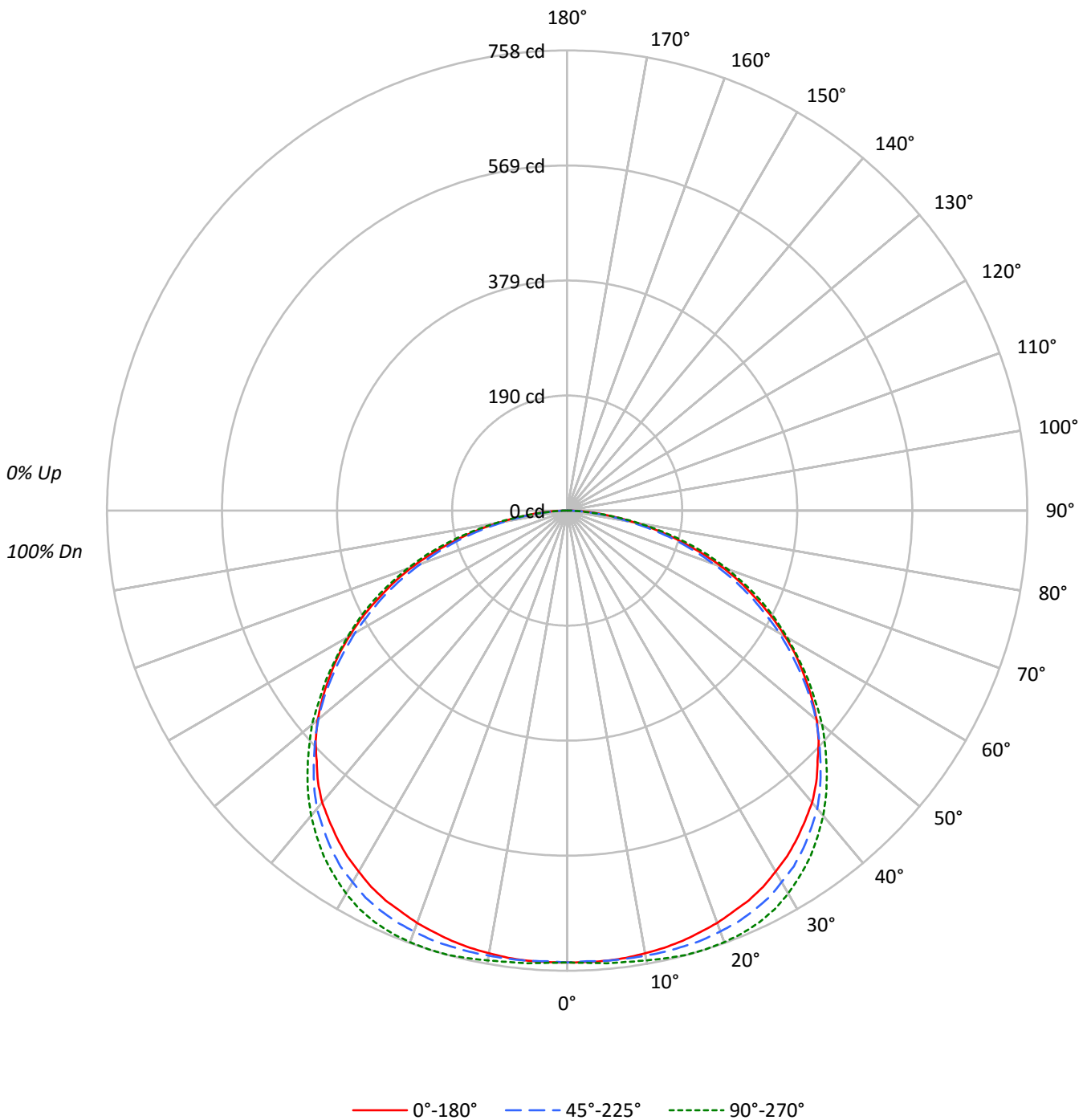
Lumens per Lamp: N/A
Luminaire Lumens: 2508.5 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

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	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	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	43	38	36
7	63	50	41	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	40	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°	2496	2496	2496
5°	2506	2506	2519
10°	2521	2535	2562
15°	2547	2580	2631
20°	2580	2632	2699
25°	2620	2690	2769
30°	2659	2737	2820
35°	2701	2778	2855
40°	2748	2806	2871
45°	2767	2799	2868
50°	2799	2792	2862
55°	2792	2752	2831
60°	2779	2707	2807
65°	2725	2639	2799
70°	2656	2512	2748
75°	2468	2346	2624
80°	2201	1995	2306
85°	1858	1497	1600



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	2.8
10°-20°	210.7	8.4
20°-30°	335.6	13.4
30°-40°	424.4	16.9
40°-50°	457.1	18.2
50°-60°	425.0	16.9
60°-70°	335.5	13.4
70°-80°	198.7	7.9
80°-90°	50.3	2.0
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°	617.4	24.6
0°-40°	1041.8	41.5
0°-60°	1923.9	76.7
0°-90°	2508.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	744	744	744	744	744	
5°	744	743	744	747	748	71
15°	734	736	743	754	758	207
25°	708	712	727	742	748	327
35°	660	665	679	692	698	413
45°	583	586	590	600	605	451
55°	478	472	471	478	484	427
65°	343	334	333	345	353	340
75°	190	182	181	194	202	203
85°	48	43	39	40	42	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	744.4	744.4	744.4	744.4	744.4
2.5°	744.4	744.4	743.1	744.4	745.7
5°	744.4	743.1	744.4	747.1	748.4
7.5°	743.1	743.1	744.4	747.1	749.8
10°	740.4	740.4	744.4	749.8	752.4
12.5°	737.7	739.0	744.4	751.1	755.1
15°	733.7	736.4	743.1	753.8	757.8
17.5°	728.3	732.3	741.7	752.4	757.8
20°	722.9	727.0	737.7	751.1	756.5
22.5°	714.9	720.3	733.7	747.1	753.8
25°	708.2	712.2	727.0	741.7	748.4
27.5°	698.8	704.2	718.9	733.7	740.4
30°	686.7	693.4	706.8	721.6	728.3
32.5°	674.7	680.0	694.8	708.2	713.6
35°	659.9	665.3	678.7	692.1	697.5
37.5°	643.8	649.2	659.9	672.0	677.3
40°	627.7	630.4	641.1	650.5	655.9
42.5°	607.6	608.9	617.0	627.7	631.7
45°	583.4	586.1	590.2	599.5	604.9
47.5°	562.0	560.6	563.3	572.7	576.7
50°	536.5	532.5	535.2	541.9	548.6
52.5°	508.3	503.0	504.3	509.7	515.0
55°	477.5	472.1	470.8	477.5	484.2
57.5°	448.0	441.3	437.3	445.3	450.7
60°	414.4	406.4	403.7	413.1	418.5
62.5°	380.9	371.5	367.5	378.2	386.3
65°	343.4	334.0	332.6	344.7	352.8
67.5°	308.5	299.1	295.1	305.8	316.5
70°	270.9	258.9	256.2	270.9	280.3
72.5°	232.0	221.3	218.6	234.7	242.8
75°	190.5	182.4	181.1	194.5	202.5
77.5°	154.2	142.2	142.2	155.6	161.0
80°	114.0	106.0	103.3	114.0	119.4
82.5°	77.8	72.4	69.7	73.8	80.5
85°	48.3	42.9	38.9	40.2	41.6
87.5°	21.5	17.4	13.4	10.7	12.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)