

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: P189171

Luminaire Tested: **DRI-WS-1L40-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189171  
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-1L40-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**

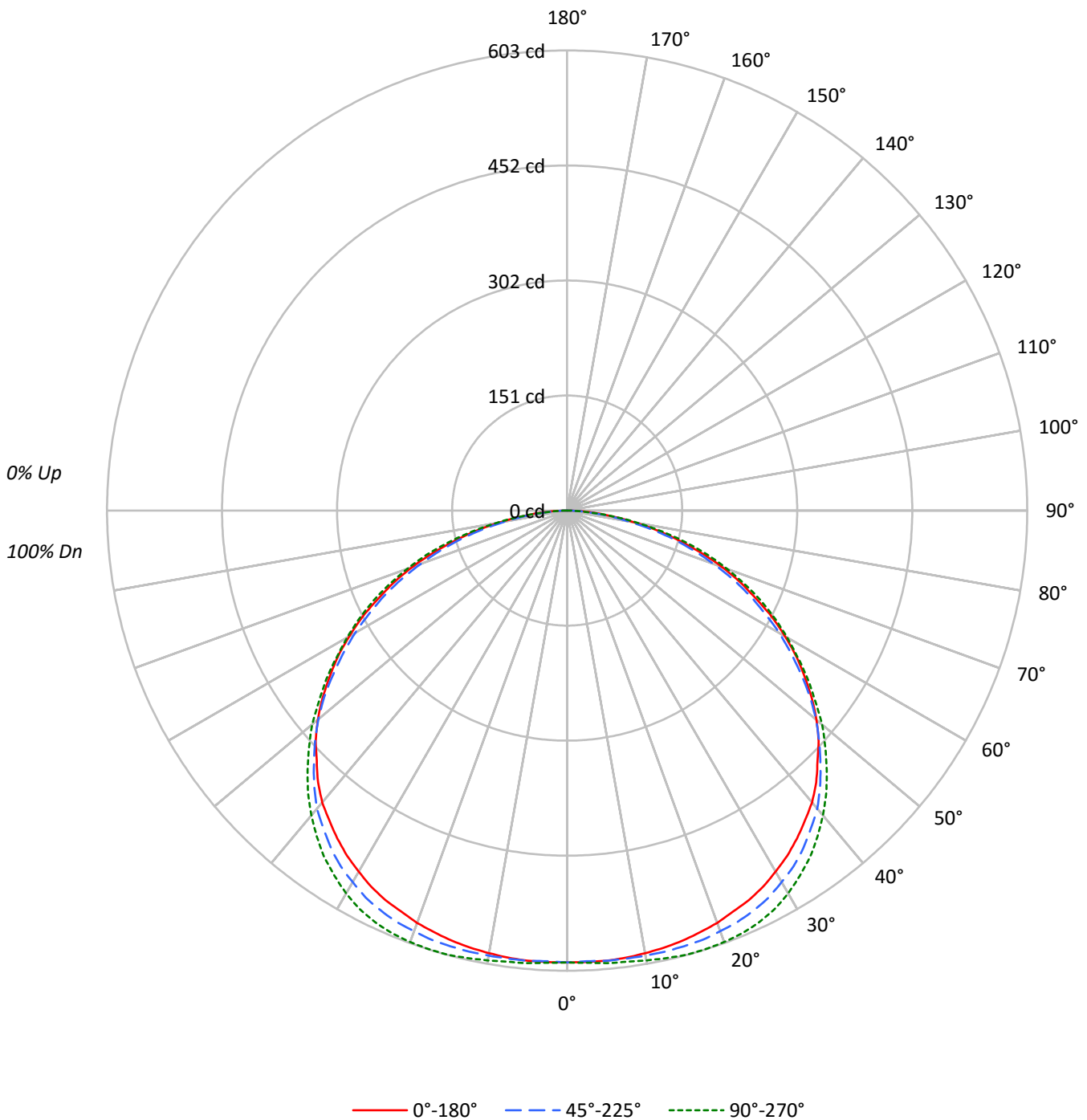
Lumens per Lamp: N/A  
Luminaire Lumens: 1995.2 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5  
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
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°	1985	1985	1985
5°	1993	1993	2004
10°	2005	2016	2038
15°	2026	2052	2092
20°	2052	2094	2147
25°	2084	2139	2202
30°	2115	2177	2243
35°	2148	2210	2271
40°	2185	2232	2283
45°	2200	2226	2281
50°	2226	2220	2276
55°	2220	2189	2251
60°	2210	2153	2232
65°	2167	2099	2226
70°	2113	1998	2186
75°	1963	1866	2087
80°	1751	1585	1833
85°	1477	1189	1273



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.6	2.8
10°-20°	167.6	8.4
20°-30°	266.9	13.4
30°-40°	337.5	16.9
40°-50°	363.6	18.2
50°-60°	338.0	16.9
60°-70°	266.9	13.4
70°-80°	158.1	7.9
80°-90°	40.0	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°	491.0	24.6
0°-40°	828.6	41.5
0°-60°	1530.2	76.7
0°-90°	1995.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1995.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	592	592	592	592	592	
5°	592	591	592	594	595	56
15°	584	586	591	600	603	165
25°	563	566	578	590	595	260
35°	525	529	540	550	555	329
45°	464	466	469	477	481	359
55°	380	376	374	380	385	340
65°	273	266	265	274	281	271
75°	152	145	144	155	161	161
85°	38	34	31	32	33	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	592.1	592.1	592.1	592.1	592.1
2.5°	592.1	592.1	591.0	592.1	593.1
5°	592.1	591.0	592.1	594.2	595.3
7.5°	591.0	591.0	592.1	594.2	596.3
10°	588.9	588.9	592.1	596.3	598.5
12.5°	586.7	587.8	592.1	597.4	600.6
15°	583.5	585.7	591.0	599.5	602.7
17.5°	579.3	582.5	589.9	598.5	602.7
20°	575.0	578.2	586.7	597.4	601.7
22.5°	568.6	572.9	583.5	594.2	599.5
25°	563.3	566.5	578.2	589.9	595.3
27.5°	555.8	560.1	571.8	583.5	588.9
30°	546.2	551.5	562.2	573.9	579.3
32.5°	536.6	540.9	552.6	563.3	567.5
35°	524.8	529.1	539.8	550.5	554.7
37.5°	512.0	516.3	524.8	534.4	538.7
40°	499.2	501.4	509.9	517.4	521.6
42.5°	483.2	484.3	490.7	499.2	502.4
45°	464.0	466.2	469.4	476.8	481.1
47.5°	447.0	445.9	448.0	455.5	458.7
50°	426.7	423.5	425.6	431.0	436.3
52.5°	404.3	400.0	401.1	405.4	409.6
55°	379.8	375.5	374.4	379.8	385.1
57.5°	356.3	351.0	347.8	354.2	358.4
60°	329.6	323.2	321.1	328.6	332.8
62.5°	303.0	295.5	292.3	300.8	307.2
65°	273.1	265.6	264.6	274.2	280.6
67.5°	245.4	237.9	234.7	243.2	251.8
70°	215.5	205.9	203.8	215.5	223.0
72.5°	184.6	176.0	173.9	186.7	193.1
75°	151.5	145.1	144.0	154.7	161.1
77.5°	122.7	113.1	113.1	123.7	128.0
80°	90.7	84.3	82.1	90.7	94.9
82.5°	61.9	57.6	55.5	58.7	64.0
85°	38.4	34.1	30.9	32.0	33.1
87.5°	17.1	13.9	10.7	8.5	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)