

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: P189155

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189155
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-1L40-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

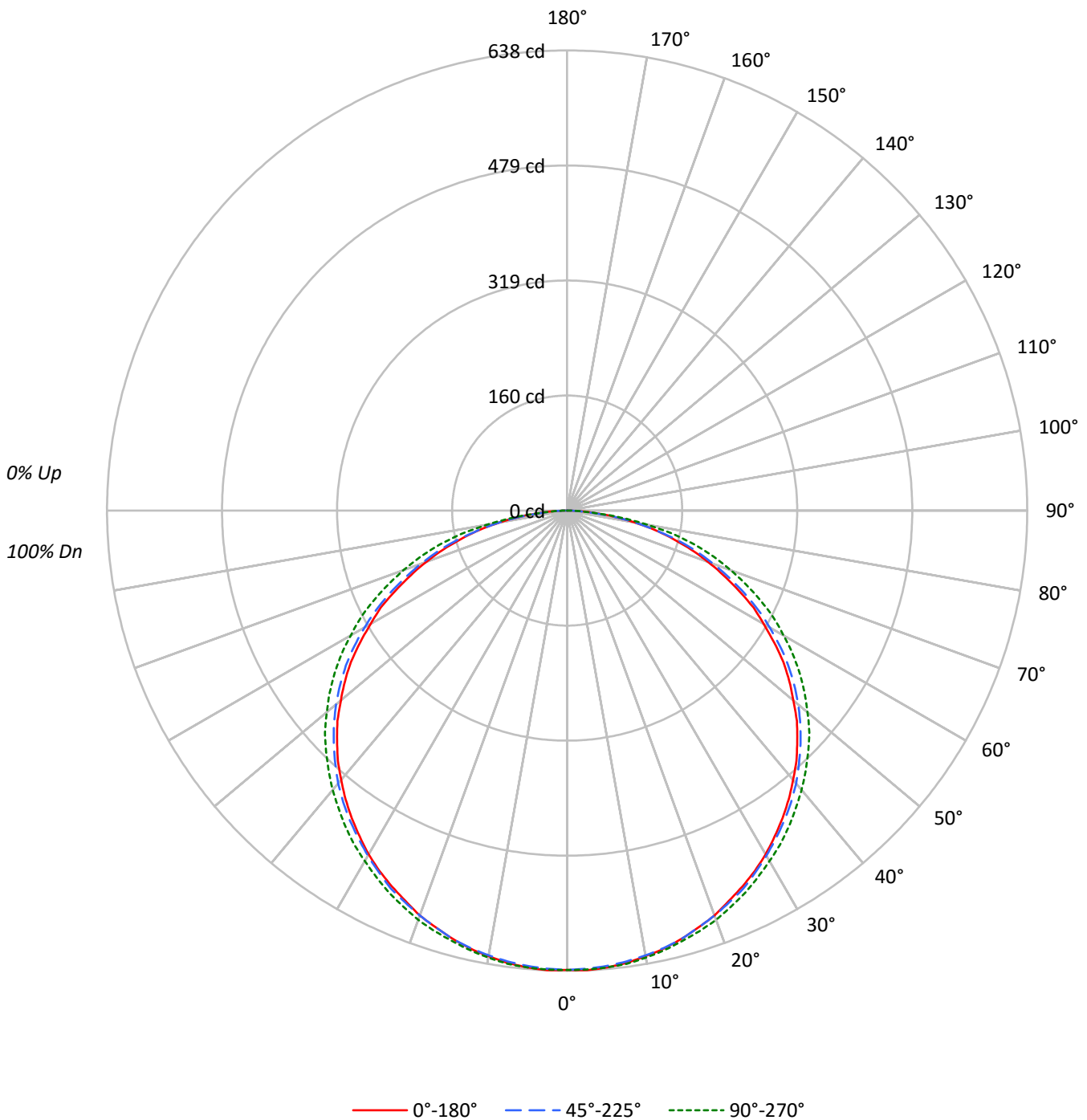
Lumens per Lamp: N/A
Luminaire Lumens: 2010.1 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2136	2136	2136
5°	2140	2133	2140
10°	2136	2132	2143
15°	2133	2133	2144
20°	2132	2132	2155
25°	2127	2139	2163
30°	2131	2140	2173
35°	2131	2148	2192
40°	2134	2162	2213
45°	2140	2170	2241
50°	2137	2182	2270
55°	2139	2189	2301
60°	2110	2175	2325
65°	2082	2150	2353
70°	2039	2113	2364
75°	1976	2046	2377
80°	1833	1854	2184
85°	1520	1354	1520



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	3.0
10°-20°	173.7	8.6
20°-30°	266.9	13.3
30°-40°	329.6	16.4
40°-50°	354.7	17.6
50°-60°	336.4	16.7
60°-70°	272.3	13.5
70°-80°	170.8	8.5
80°-90°	45.4	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°	500.9	24.9
0°-40°	830.5	41.3
0°-60°	1521.6	75.7
0°-90°	2010.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2010.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	637	637	637	637	637	
5°	636	635	634	635	636	60
15°	614	613	614	617	618	174
25°	575	576	578	581	585	265
35°	521	522	525	531	536	326
45°	451	452	458	467	473	348
55°	366	367	374	386	394	326
65°	262	265	271	286	297	260
75°	152	152	158	173	184	161
85°	40	36	35	38	40	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	636.9	636.9	636.9	636.9	636.9
2.5°	637.9	635.8	635.8	636.9	636.9
5°	635.8	634.7	633.7	634.7	635.8
7.5°	632.6	630.5	630.5	631.5	633.7
10°	627.3	626.2	626.2	628.3	629.4
12.5°	621.9	620.9	620.9	623.0	624.1
15°	614.5	613.4	614.5	616.6	617.7
17.5°	605.9	605.9	605.9	609.1	611.3
20°	597.4	596.3	597.4	600.6	603.8
22.5°	585.7	586.7	587.8	592.1	594.2
25°	575.0	576.1	578.2	581.4	584.6
27.5°	563.3	563.3	565.4	570.7	572.9
30°	550.4	550.4	552.6	557.9	561.1
32.5°	535.5	536.6	538.7	546.2	549.4
35°	520.6	521.6	524.8	531.2	535.5
37.5°	504.6	505.6	509.9	516.3	520.6
40°	487.5	489.6	493.9	501.4	505.6
42.5°	470.4	471.5	475.8	484.3	489.6
45°	451.2	452.3	457.6	467.2	472.6
47.5°	432.0	432.0	438.4	449.1	455.5
50°	409.6	411.8	418.2	428.8	435.2
52.5°	388.3	390.4	396.8	408.6	415.0
55°	365.9	367.0	374.4	386.2	393.6
57.5°	340.3	342.4	349.9	363.8	371.2
60°	314.7	317.9	324.3	338.2	346.7
62.5°	291.2	292.3	298.7	313.6	323.2
65°	262.4	264.6	271.0	285.9	296.6
67.5°	234.7	235.8	243.2	259.2	268.8
70°	208.0	210.2	215.5	232.6	241.1
72.5°	180.3	180.3	187.8	204.8	213.4
75°	152.5	152.5	157.9	172.8	183.5
77.5°	124.8	123.7	125.9	141.9	150.4
80°	94.9	92.8	96.0	105.6	113.1
82.5°	65.1	64.0	64.0	70.4	75.7
85°	39.5	36.3	35.2	38.4	39.5
87.5°	16.0	13.9	11.7	10.7	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)