

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: P189154

Luminaire Tested: **DRI-WD-5L40-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34833)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WD-5L40-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

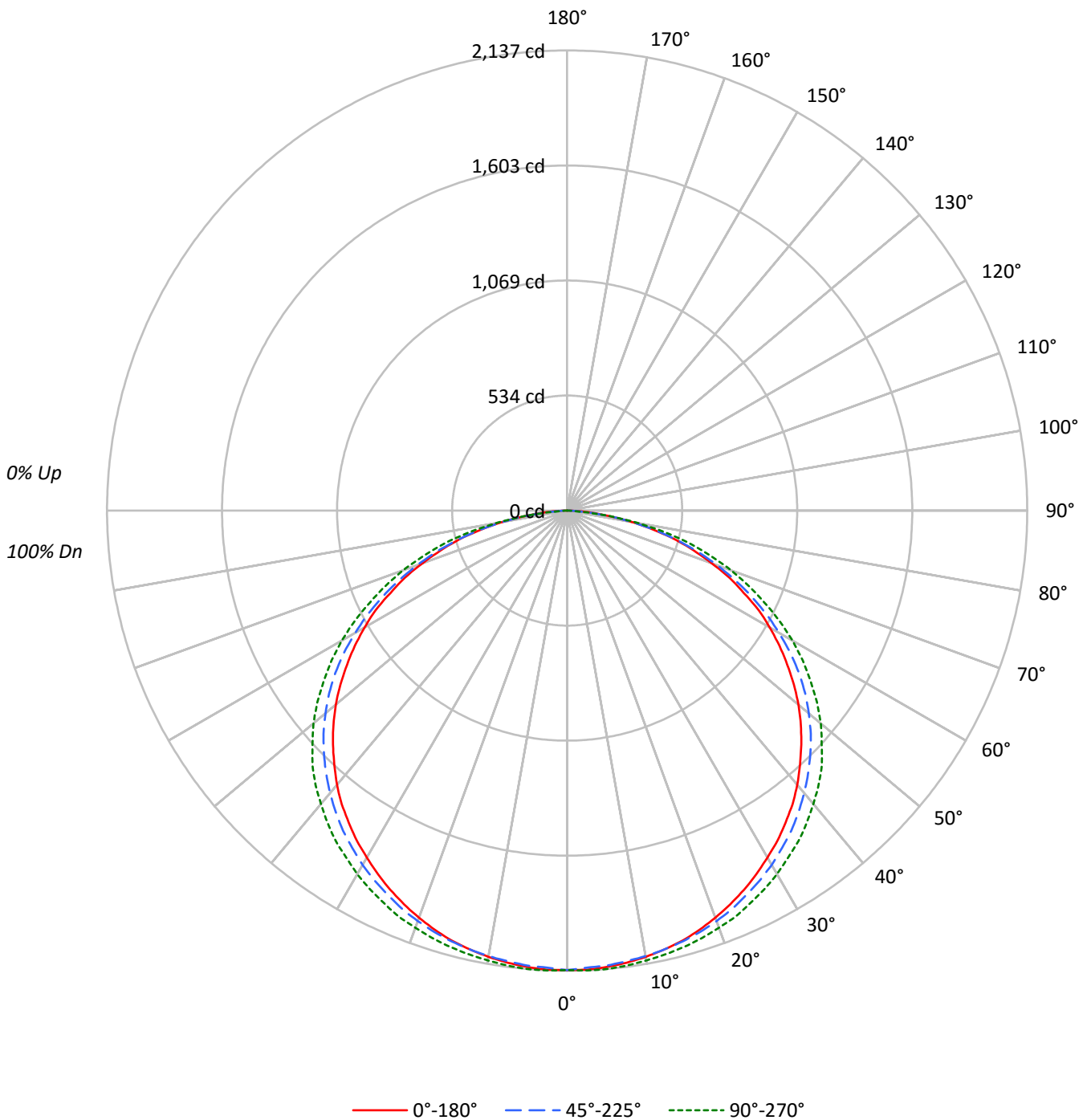
Lumens per Lamp: N/A
Luminaire Lumens: 6883.9 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.46
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 53.8
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	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	51	62	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	42	38	36
7	63	50	40	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	39	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°	6253	6253	6253
5°	6258	6238	6286
10°	6261	6251	6310
15°	6274	6284	6364
20°	6274	6326	6428
25°	6282	6367	6505
30°	6295	6429	6596
35°	6326	6491	6703
40°	6361	6550	6802
45°	6373	6618	6932
50°	6395	6680	7011
55°	6376	6712	7049
60°	6369	6658	7083
65°	6279	6553	7009
70°	6122	6348	6940
75°	5890	5965	6674
80°	5113	5113	5612
85°	3765	3211	2215



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.5	2.9
10°-20°	587.3	8.5
20°-30°	911.6	13.2
30°-40°	1137.9	16.5
40°-50°	1235.7	18.0
50°-60°	1174.1	17.1
60°-70°	942.1	13.7
70°-80°	566.3	8.2
80°-90°	126.5	1.8
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°	1701.4	24.7
0°-40°	2839.2	41.2
0°-60°	5249.1	76.3
0°-90°	6883.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6883.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2134	2134	2134	2134	2134	
5°	2128	2128	2121	2131	2137	202
15°	2068	2068	2072	2091	2098	584
25°	1943	1953	1969	2002	2012	896
35°	1768	1782	1815	1854	1874	1108
45°	1538	1558	1597	1650	1673	1187
55°	1248	1271	1314	1360	1380	1116
65°	906	919	945	991	1011	898
75°	520	520	527	566	590	541
85°	112	105	96	79	66	137
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2134.0	2134.0	2134.0	2134.0	2134.0
2.5°	2134.0	2134.0	2124.2	2137.3	2137.3
5°	2127.5	2127.5	2120.9	2130.7	2137.3
7.5°	2117.6	2117.6	2111.0	2124.2	2130.7
10°	2104.4	2104.4	2101.1	2114.3	2120.9
12.5°	2087.9	2091.2	2087.9	2104.4	2111.0
15°	2068.2	2068.2	2071.5	2091.2	2097.8
17.5°	2041.8	2045.1	2051.7	2071.5	2081.3
20°	2012.2	2018.8	2028.7	2051.7	2061.6
22.5°	1979.3	1989.1	2002.3	2028.7	2041.8
25°	1943.0	1952.9	1969.4	2002.3	2012.2
27.5°	1903.5	1916.7	1936.4	1969.4	1982.6
30°	1860.7	1873.9	1900.2	1933.2	1949.6
32.5°	1817.9	1831.1	1857.4	1893.6	1910.1
35°	1768.5	1781.7	1814.6	1854.1	1873.9
37.5°	1719.1	1732.3	1765.2	1808.0	1827.8
40°	1663.1	1679.6	1712.5	1758.6	1778.4
42.5°	1600.5	1617.0	1656.5	1709.2	1729.0
45°	1538.0	1557.7	1597.2	1649.9	1673.0
47.5°	1472.1	1491.9	1534.7	1587.4	1603.8
50°	1402.9	1422.7	1465.5	1518.2	1538.0
52.5°	1327.2	1353.5	1393.1	1442.5	1462.2
55°	1248.2	1271.2	1314.0	1360.1	1379.9
57.5°	1169.1	1188.9	1228.4	1274.5	1297.6
60°	1086.8	1100.0	1136.2	1182.3	1208.6
62.5°	1004.4	1014.3	1044.0	1086.8	1113.1
65°	905.7	918.8	945.2	991.3	1011.0
67.5°	816.7	823.3	843.1	889.2	912.2
70°	714.6	724.5	741.0	780.5	810.1
72.5°	615.8	622.4	635.6	671.8	698.2
75°	520.3	520.3	526.9	566.4	589.5
77.5°	408.4	411.7	415.0	447.9	464.4
80°	303.0	303.0	303.0	316.2	332.6
82.5°	200.9	197.6	194.3	197.6	204.2
85°	112.0	105.4	95.5	79.0	65.9
87.5°	39.5	32.9	13.2	9.9	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)