

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: P189170

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34838)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-5L40-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

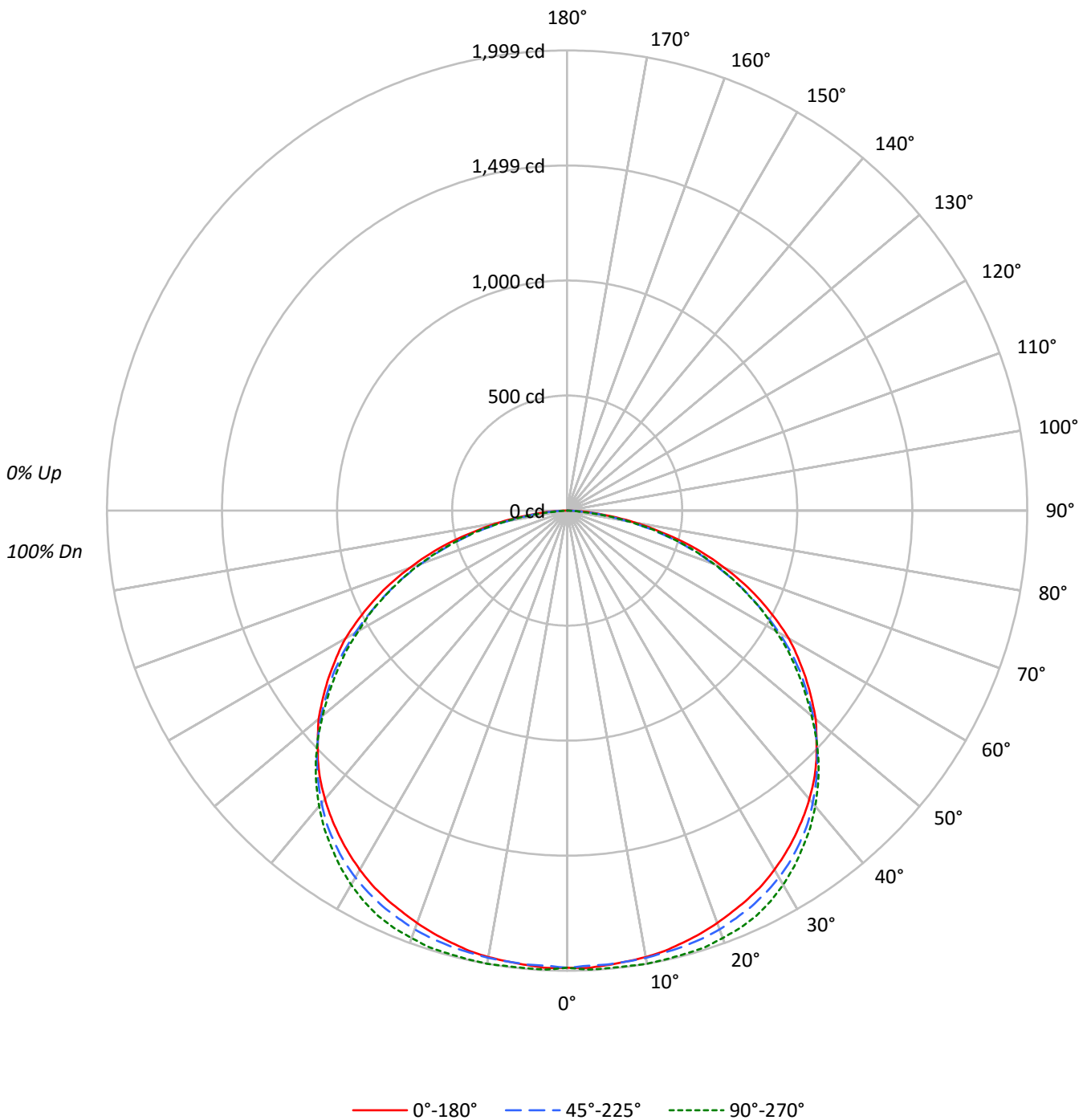
Lumens per Lamp: N/A
Luminaire Lumens: 6525.0 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.39 / 1.48
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

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	94	91	93	90	88	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
5	75	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	39	51	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5819	5819	5819
5°	5831	5822	5870
10°	5859	5869	5948
15°	5894	5944	6044
20°	5946	6038	6161
25°	6016	6133	6282
30°	6095	6228	6351
35°	6173	6302	6385
40°	6261	6349	6412
45°	6346	6373	6400
50°	6425	6365	6320
55°	6460	6343	6241
60°	6523	6233	6137
65°	6439	6051	6028
70°	6235	5784	5840
75°	5853	5331	5406
80°	5057	4446	4502
85°	3765	3100	2105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.4	2.9
10°-20°	556.1	8.5
20°-30°	876.7	13.4
30°-40°	1101.5	16.9
40°-50°	1186.7	18.2
50°-60°	1110.5	17.0
60°-70°	878.2	13.5
70°-80°	510.6	7.8
80°-90°	115.4	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°	1622.1	24.9
0°-40°	2723.7	41.7
0°-60°	5020.9	76.9
0°-90°	6525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1986	1986	1986	1986	1986	
5°	1982	1986	1979	1992	1996	189
15°	1943	1950	1960	1982	1992	550
25°	1861	1874	1897	1930	1943	859
35°	1726	1742	1762	1782	1785	1081
45°	1531	1538	1538	1541	1544	1181
55°	1265	1265	1242	1228	1222	1131
65°	929	912	873	873	869	917
75°	517	494	471	478	478	543
85°	112	102	92	76	63	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1985.8	1985.8	1985.8	1985.8	1985.8
2.5°	1989.1	1985.8	1979.3	1992.4	1995.7
5°	1982.5	1985.8	1979.3	1992.4	1995.7
7.5°	1976.0	1979.3	1976.0	1992.4	1995.7
10°	1969.4	1972.7	1972.7	1992.4	1999.0
12.5°	1959.5	1962.8	1966.1	1989.1	1995.7
15°	1943.0	1949.6	1959.5	1982.5	1992.4
17.5°	1926.6	1936.4	1949.6	1979.3	1989.1
20°	1906.8	1916.7	1936.4	1966.1	1976.0
22.5°	1883.8	1896.9	1916.7	1949.6	1962.8
25°	1860.7	1873.9	1896.9	1929.9	1943.0
27.5°	1834.4	1847.5	1870.6	1903.5	1913.4
30°	1801.4	1817.9	1840.9	1870.6	1877.2
32.5°	1765.2	1781.7	1804.7	1827.8	1834.4
35°	1725.7	1742.1	1761.9	1781.7	1785.0
37.5°	1682.9	1699.3	1715.8	1729.0	1735.6
40°	1636.8	1649.9	1659.8	1673.0	1676.3
42.5°	1587.4	1597.2	1600.5	1613.7	1613.7
45°	1531.4	1538.0	1538.0	1541.3	1544.5
47.5°	1468.8	1478.7	1468.8	1472.1	1468.8
50°	1409.5	1409.5	1396.3	1393.1	1386.5
52.5°	1337.1	1337.1	1317.3	1310.7	1304.1
55°	1264.6	1264.6	1241.6	1228.4	1221.8
57.5°	1188.9	1182.3	1155.9	1142.8	1139.5
60°	1113.1	1096.7	1063.7	1053.8	1047.3
62.5°	1020.9	1007.7	968.2	964.9	964.9
65°	928.7	912.2	872.7	872.7	869.4
67.5°	833.2	813.4	777.2	777.2	777.2
70°	727.8	708.1	675.1	678.4	681.7
72.5°	625.7	602.7	573.0	576.3	579.6
75°	517.0	494.0	470.9	477.5	477.5
77.5°	401.8	388.6	368.8	372.1	378.7
80°	299.7	283.2	263.5	270.0	266.8
82.5°	197.6	181.1	171.3	168.0	168.0
85°	112.0	102.1	92.2	75.7	62.6
87.5°	49.4	36.2	13.2	9.9	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)