

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: P189176

Luminaire Tested: **DRI-WS-6L40-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189176
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-6L40-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

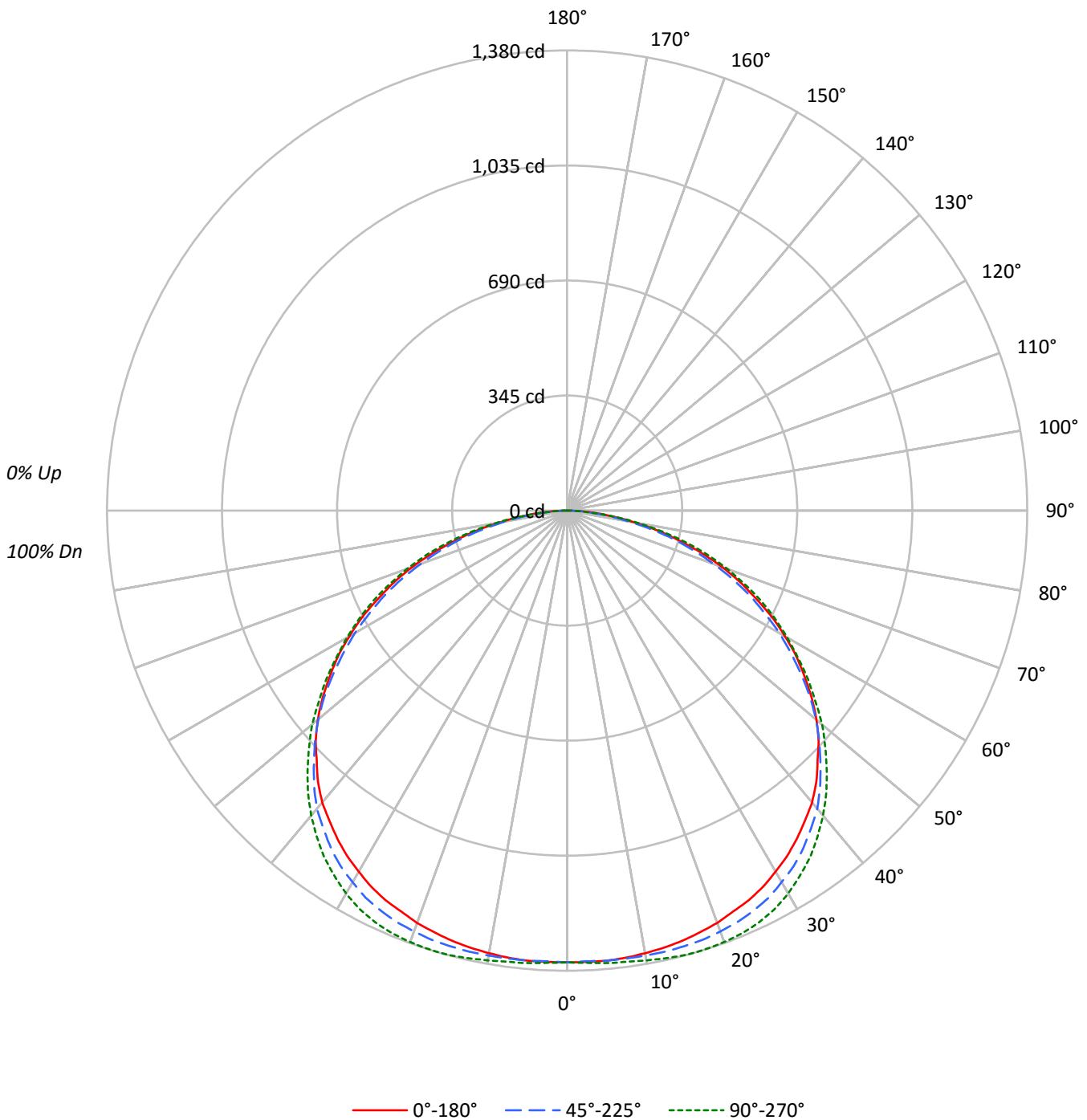
Lumens per Lamp: N/A
Luminaire Lumens: 4566.3 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 39
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°	4544	4544	4544
5°	4561	4561	4586
10°	4589	4614	4664
15°	4636	4695	4789
20°	4696	4792	4914
25°	4769	4896	5041
30°	4840	4982	5133
35°	4917	5057	5197
40°	5001	5109	5226
45°	5037	5094	5222
50°	5095	5082	5209
55°	5081	5010	5153
60°	5059	4928	5109
65°	4959	4804	5095
70°	4835	4572	5003
75°	4492	4270	4777
80°	4007	3630	4196
85°	3382	2724	2912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	2.8
10°-20°	383.5	8.4
20°-30°	610.8	13.4
30°-40°	772.5	16.9
40°-50°	832.2	18.2
50°-60°	773.6	16.9
60°-70°	610.8	13.4
70°-80°	361.8	7.9
80°-90°	91.6	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°	1123.8	24.6
0°-40°	1896.3	41.5
0°-60°	3502.1	76.7
0°-90°	4566.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4566.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1355	1355	1355	1355	1355	
5°	1355	1353	1355	1360	1362	129
15°	1336	1340	1353	1372	1380	378
25°	1289	1296	1323	1350	1362	595
35°	1201	1211	1235	1260	1270	752
45°	1062	1067	1074	1091	1101	821
55°	869	859	857	869	881	778
65°	625	608	606	628	642	620
75°	347	332	330	354	369	369
85°	88	78	71	73	76	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1355.0	1355.0	1355.0	1355.0	1355.0
2.5°	1355.0	1355.0	1352.6	1355.0	1357.5
5°	1355.0	1352.6	1355.0	1359.9	1362.4
7.5°	1352.6	1352.6	1355.0	1359.9	1364.8
10°	1347.7	1347.7	1355.0	1364.8	1369.7
12.5°	1342.8	1345.3	1355.0	1367.3	1374.6
15°	1335.5	1340.4	1352.6	1372.1	1379.5
17.5°	1325.8	1333.1	1350.2	1369.7	1379.5
20°	1316.0	1323.3	1342.8	1367.3	1377.0
22.5°	1301.3	1311.1	1335.5	1359.9	1372.1
25°	1289.1	1296.5	1323.3	1350.2	1362.4
27.5°	1272.0	1281.8	1308.7	1335.5	1347.7
30°	1250.1	1262.3	1286.7	1313.5	1325.8
32.5°	1228.1	1237.9	1264.7	1289.1	1298.9
35°	1201.2	1211.0	1235.4	1259.8	1269.6
37.5°	1171.9	1181.7	1201.2	1223.2	1233.0
40°	1142.6	1147.5	1167.1	1184.1	1193.9
42.5°	1106.0	1108.5	1123.1	1142.6	1150.0
45°	1062.1	1066.9	1074.3	1091.4	1101.1
47.5°	1023.0	1020.6	1025.4	1042.5	1049.9
50°	976.6	969.3	974.2	986.4	998.6
52.5°	925.3	915.6	918.0	927.8	937.5
55°	869.2	859.4	857.0	869.2	881.4
57.5°	815.5	803.3	795.9	810.6	820.4
60°	754.4	739.8	734.9	752.0	761.8
62.5°	693.4	676.3	669.0	688.5	703.2
65°	625.0	607.9	605.5	627.5	642.1
67.5°	561.6	544.5	537.1	556.7	576.2
70°	493.2	471.2	466.3	493.2	510.3
72.5°	422.4	402.9	398.0	427.3	441.9
75°	346.7	332.0	329.6	354.0	368.7
77.5°	280.8	258.8	258.8	283.2	293.0
80°	207.5	192.9	188.0	207.5	217.3
82.5°	141.6	131.8	127.0	134.3	146.5
85°	87.9	78.1	70.8	73.2	75.7
87.5°	39.1	31.7	24.4	19.5	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)