

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: P189178

Luminaire Tested: **DRI-WS-2L40-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34844)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-2L40-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

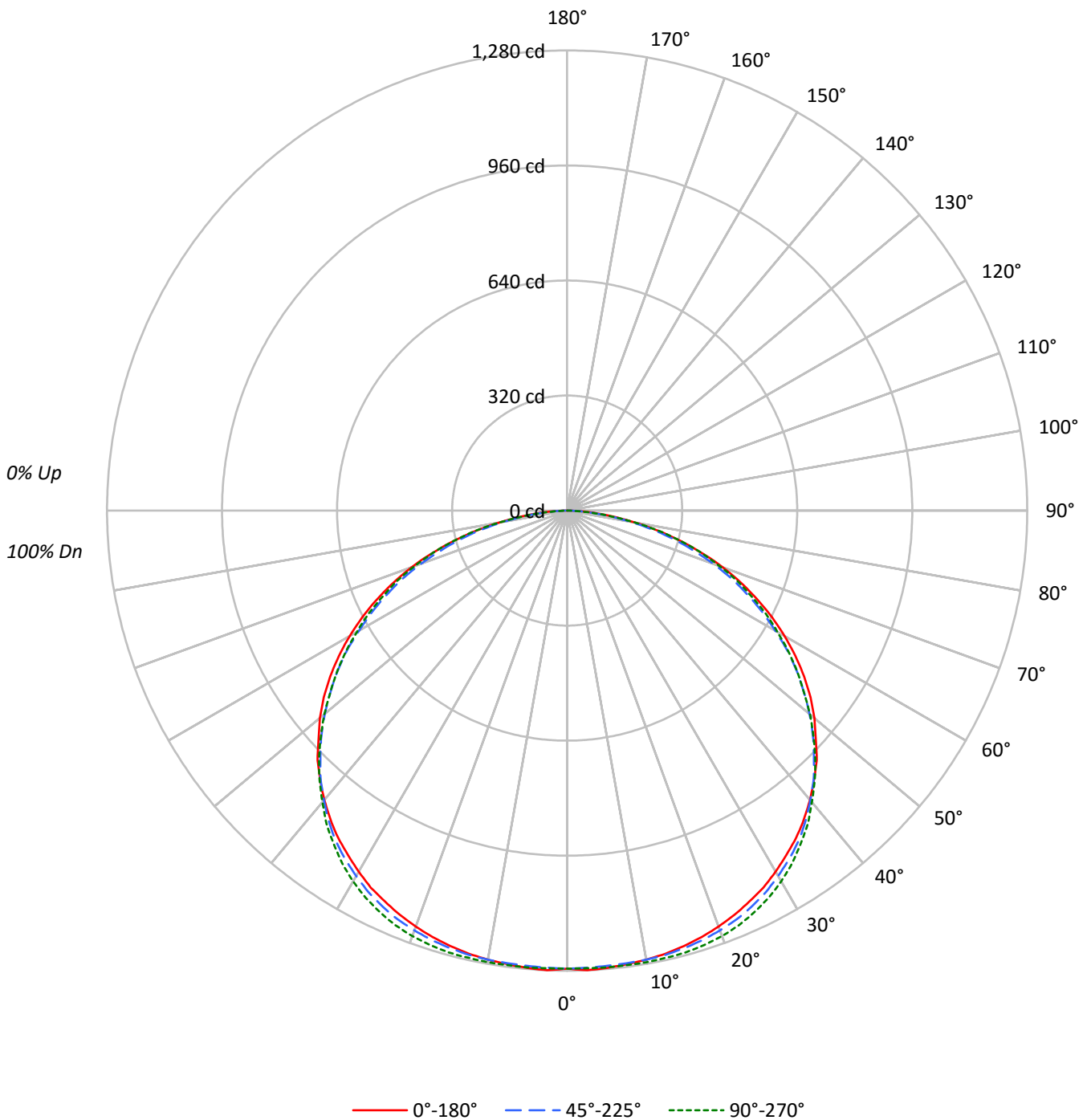
Lumens per Lamp: N/A
Luminaire Lumens: 4166.1 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 31.3
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	87	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	52	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	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	57	45	36	30	43	36	30	42	35	30	41	34	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°	1997	1997	1997
5°	2009	2000	2007
10°	2019	2019	2030
15°	2035	2044	2065
20°	2053	2072	2101
25°	2074	2102	2131
30°	2099	2124	2156
35°	2125	2147	2167
40°	2150	2153	2167
45°	2177	2151	2164
50°	2189	2147	2150
55°	2198	2132	2136
60°	2190	2095	2118
65°	2161	2054	2102
70°	2106	1981	2066
75°	1976	1855	1976
80°	1718	1602	1718
85°	1390	1185	1210



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	2.9
10°-20°	356.4	8.6
20°-30°	560.2	13.4
30°-40°	700.9	16.8
40°-50°	751.6	18.0
50°-60°	701.8	16.8
60°-70°	558.0	13.4
70°-80°	332.9	8.0
80°-90°	82.9	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°	1037.9	24.9
0°-40°	1738.9	41.7
0°-60°	3192.3	76.6
0°-90°	4166.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4166.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1277	1271	1271	1270	1276	122
15°	1254	1253	1260	1266	1273	355
25°	1200	1201	1215	1225	1233	554
35°	1111	1112	1122	1128	1132	695
45°	982	975	971	975	976	755
55°	804	792	780	779	782	718
65°	583	568	554	563	567	576
75°	326	311	306	321	326	344
85°	77	69	66	66	67	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1274.1	1274.1	1274.1	1274.1	1274.1
2.5°	1279.8	1272.6	1272.6	1269.8	1274.1
5°	1276.9	1271.2	1271.2	1269.8	1275.5
7.5°	1272.6	1268.4	1269.8	1269.8	1275.5
10°	1268.4	1265.5	1268.4	1269.8	1275.5
12.5°	1262.6	1258.3	1265.5	1268.4	1274.1
15°	1254.0	1252.6	1259.8	1265.5	1272.6
17.5°	1244.0	1242.6	1252.6	1259.8	1266.9
20°	1231.1	1231.1	1242.6	1251.2	1259.8
22.5°	1216.8	1218.3	1231.1	1241.2	1248.3
25°	1199.6	1201.1	1215.4	1225.4	1232.6
27.5°	1182.5	1182.5	1196.8	1206.8	1214.0
30°	1159.6	1162.4	1173.9	1183.9	1191.1
32.5°	1135.2	1138.1	1149.5	1158.1	1163.9
35°	1110.9	1112.3	1122.3	1128.1	1132.4
37.5°	1082.3	1082.3	1089.4	1093.7	1099.4
40°	1050.8	1049.3	1052.2	1056.5	1059.3
42.5°	1016.4	1013.5	1015.0	1019.3	1019.3
45°	982.0	974.9	970.6	974.9	976.3
47.5°	937.7	934.8	927.6	929.1	929.1
50°	897.6	887.6	880.4	879.0	881.8
52.5°	853.2	841.8	830.3	828.9	830.3
55°	804.5	791.6	780.2	778.8	781.6
57.5°	753.0	740.1	727.2	728.7	730.1
60°	698.6	682.9	668.5	672.8	675.7
62.5°	642.8	627.0	612.7	617.0	624.2
65°	582.6	568.3	554.0	562.6	566.9
67.5°	522.5	506.8	495.3	505.3	512.5
70°	459.5	442.3	432.3	445.2	450.9
72.5°	393.7	380.8	367.9	385.1	392.2
75°	326.4	310.6	306.4	320.7	326.4
77.5°	260.5	246.2	241.9	254.8	262.0
80°	190.4	181.8	177.5	186.1	190.4
82.5°	128.8	118.8	117.4	121.7	124.5
85°	77.3	68.7	65.9	65.9	67.3
87.5°	32.9	28.6	21.5	20.0	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)