

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: P189103

Luminaire Tested: **DRI-WS-4L30-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189103
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-4L30-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

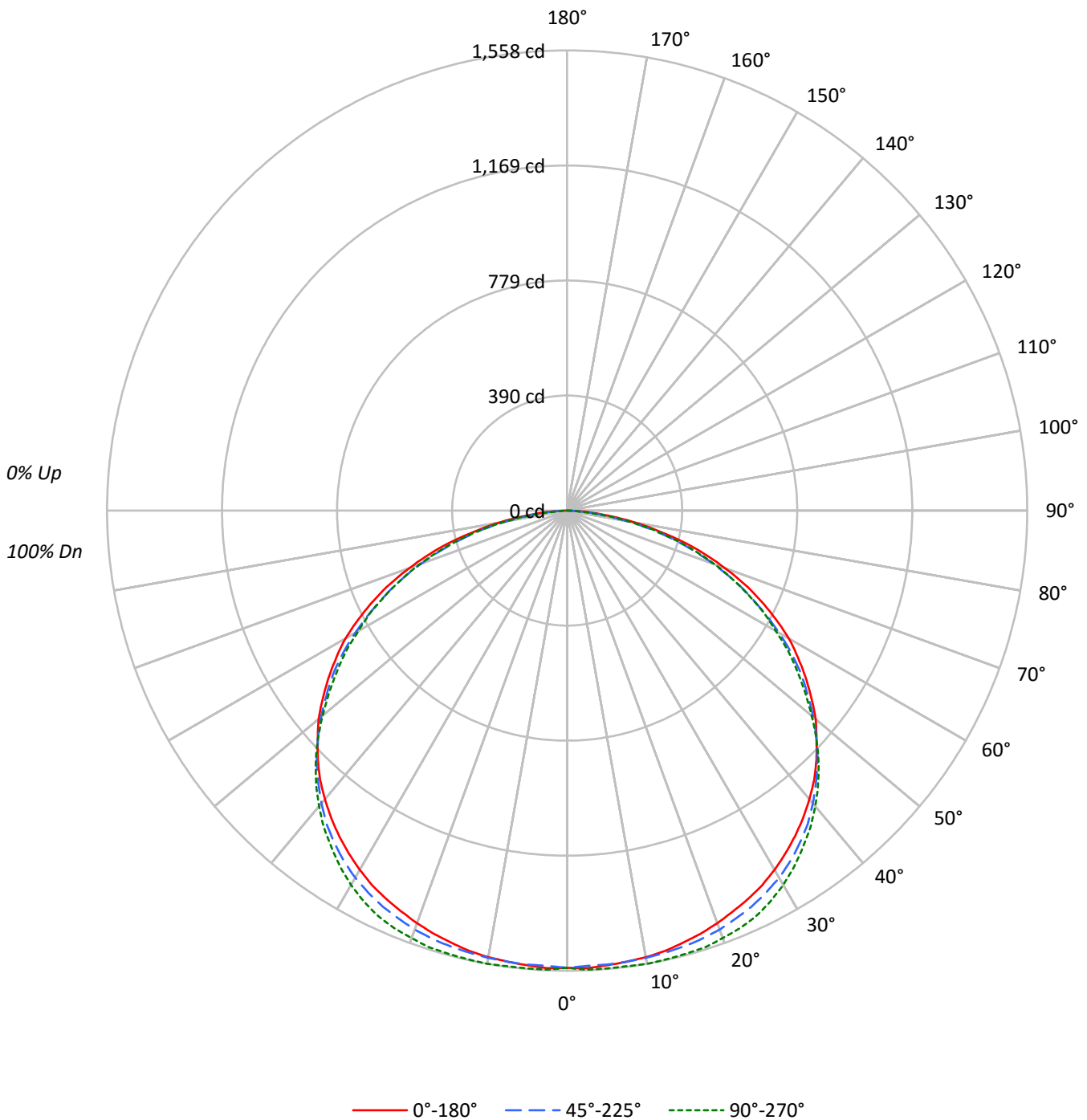
Lumens per Lamp: N/A
Luminaire Lumens: 5086.8 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.39 / 1.48
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 43.3
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	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°	4536	4536	4536
5°	4546	4538	4576
10°	4568	4576	4637
15°	4595	4634	4712
20°	4635	4707	4803
25°	4690	4781	4897
30°	4752	4856	4951
35°	4812	4913	4977
40°	4881	4949	4998
45°	4947	4968	4989
50°	5009	4962	4927
55°	5036	4944	4866
60°	5085	4860	4784
65°	5020	4717	4699
70°	4861	4509	4552
75°	4563	4156	4215
80°	3942	3466	3510
85°	2935	2417	1641



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.7	2.9
10°-20°	433.5	8.5
20°-30°	683.4	13.4
30°-40°	858.7	16.9
40°-50°	925.1	18.2
50°-60°	865.7	17.0
60°-70°	684.6	13.5
70°-80°	398.1	7.8
80°-90°	89.9	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°	1264.6	24.9
0°-40°	2123.3	41.7
0°-60°	3914.2	76.9
0°-90°	5086.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5086.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1548	1548	1548	1548	1548	
5°	1546	1548	1543	1553	1556	147
15°	1515	1520	1528	1546	1553	428
25°	1451	1461	1479	1504	1515	669
35°	1345	1358	1374	1389	1392	842
45°	1194	1199	1199	1202	1204	920
55°	986	986	968	958	952	881
65°	724	711	680	680	678	715
75°	403	385	367	372	372	423
85°	87	80	72	59	49	108
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1548.1	1548.1	1548.1	1548.1	1548.1
2.5°	1550.7	1548.1	1543.0	1553.3	1555.8
5°	1545.6	1548.1	1543.0	1553.3	1555.8
7.5°	1540.4	1543.0	1540.4	1553.3	1555.8
10°	1535.3	1537.9	1537.9	1553.3	1558.4
12.5°	1527.6	1530.2	1532.7	1550.7	1555.8
15°	1514.8	1519.9	1527.6	1545.6	1553.3
17.5°	1501.9	1509.6	1519.9	1543.0	1550.7
20°	1486.5	1494.2	1509.6	1532.7	1540.4
22.5°	1468.5	1478.8	1494.2	1519.9	1530.2
25°	1450.6	1460.8	1478.8	1504.5	1514.8
27.5°	1430.0	1440.3	1458.3	1483.9	1491.6
30°	1404.4	1417.2	1435.2	1458.3	1463.4
32.5°	1376.1	1389.0	1406.9	1424.9	1430.0
35°	1345.3	1358.1	1373.5	1389.0	1391.5
37.5°	1311.9	1324.8	1337.6	1347.9	1353.0
40°	1276.0	1286.3	1294.0	1304.2	1306.8
42.5°	1237.5	1245.2	1247.7	1258.0	1258.0
45°	1193.8	1199.0	1199.0	1201.5	1204.1
47.5°	1145.1	1152.8	1145.1	1147.6	1145.1
50°	1098.8	1098.8	1088.6	1086.0	1080.9
52.5°	1042.4	1042.4	1027.0	1021.8	1016.7
55°	985.9	985.9	967.9	957.6	952.5
57.5°	926.8	921.7	901.1	890.9	888.3
60°	867.8	854.9	829.3	821.6	816.4
62.5°	795.9	785.6	754.8	752.2	752.2
65°	724.0	711.2	680.4	680.4	677.8
67.5°	649.5	634.1	605.9	605.9	605.9
70°	567.4	552.0	526.3	528.9	531.4
72.5°	487.8	469.8	446.7	449.3	451.9
75°	403.1	385.1	367.1	372.3	372.3
77.5°	313.2	303.0	287.5	290.1	295.2
80°	233.6	220.8	205.4	210.5	208.0
82.5°	154.0	141.2	133.5	130.9	130.9
85°	87.3	79.6	71.9	59.0	48.8
87.5°	38.5	28.2	10.3	7.7	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)