

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: P189129

Luminaire Tested: **DRI-WS-3L35-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189129
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-3L35-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5181.5 lumens
Efficiency: N/A
Efficacy: 128.6 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

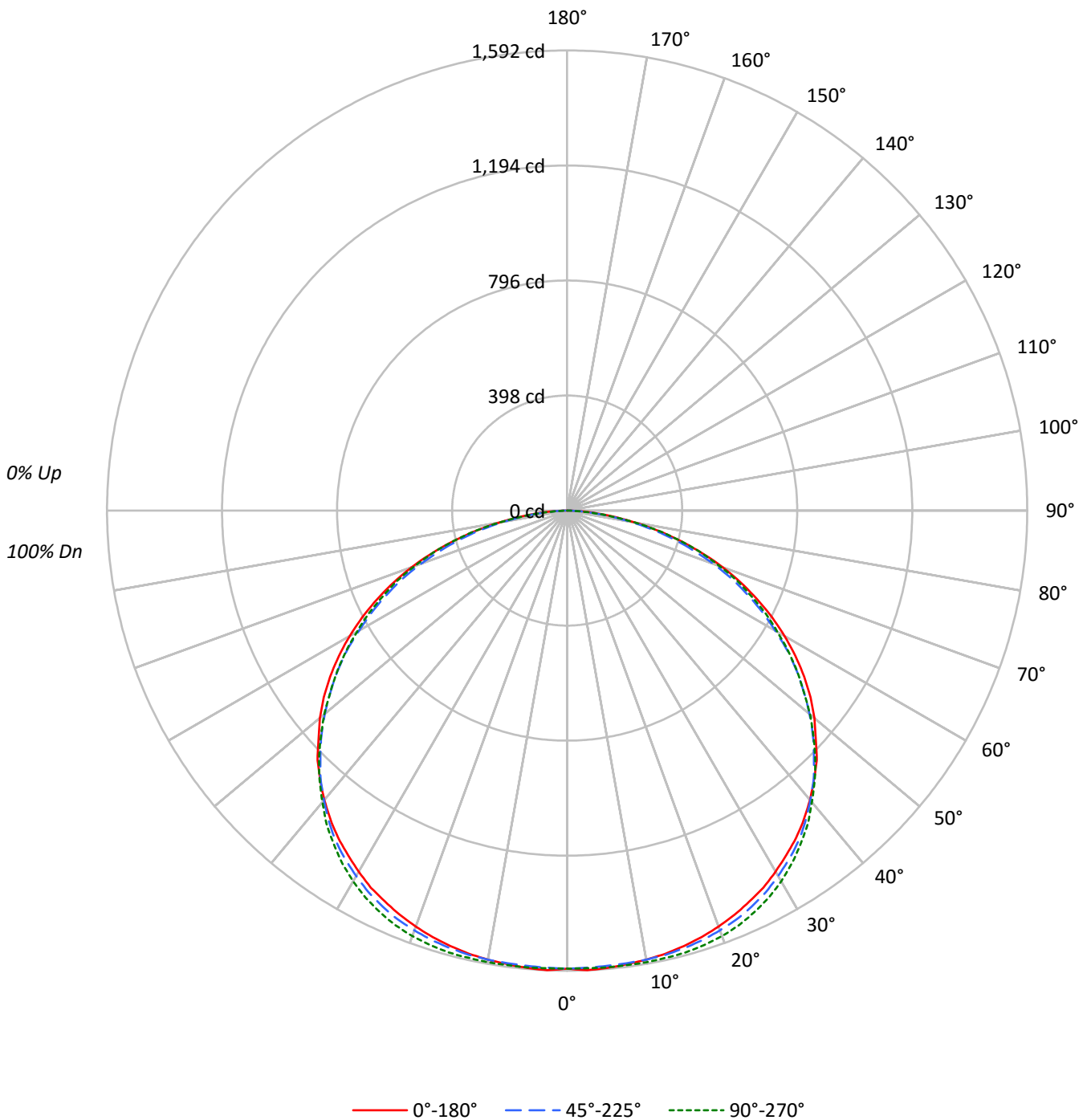
Input Watts (W): 40.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2483	2483	2483
5°	2499	2487	2496
10°	2510	2510	2525
15°	2531	2542	2568
20°	2554	2577	2613
25°	2580	2614	2651
30°	2610	2642	2681
35°	2643	2671	2694
40°	2674	2677	2695
45°	2707	2676	2691
50°	2722	2670	2674
55°	2734	2652	2656
60°	2724	2606	2634
65°	2687	2555	2615
70°	2619	2464	2570
75°	2458	2307	2458
80°	2137	1993	2137
85°	1728	1473	1505



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.9	2.9
10°-20°	443.2	8.6
20°-30°	696.8	13.4
30°-40°	871.8	16.8
40°-50°	934.8	18.0
50°-60°	872.9	16.8
60°-70°	694.0	13.4
70°-80°	414.1	8.0
80°-90°	103.1	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°	1290.9	24.9
0°-40°	2162.7	41.7
0°-60°	3970.3	76.6
0°-90°	5181.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5181.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1585	1585	1585	1585	1585	
5°	1588	1581	1581	1579	1586	151
15°	1560	1558	1567	1574	1583	441
25°	1492	1494	1512	1524	1533	689
35°	1382	1383	1396	1403	1408	864
45°	1221	1212	1207	1212	1214	940
55°	1001	985	970	969	972	893
65°	725	707	689	700	705	716
75°	406	386	381	399	406	428
85°	96	86	82	82	84	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1584.6	1584.6	1584.6	1584.6	1584.6
2.5°	1591.7	1582.8	1582.8	1579.3	1584.6
5°	1588.2	1581.1	1581.1	1579.3	1586.4
7.5°	1582.8	1577.5	1579.3	1579.3	1586.4
10°	1577.5	1573.9	1577.5	1579.3	1586.4
12.5°	1570.4	1565.0	1573.9	1577.5	1584.6
15°	1559.7	1557.9	1566.8	1573.9	1582.8
17.5°	1547.2	1545.4	1557.9	1566.8	1575.7
20°	1531.2	1531.2	1545.4	1556.1	1566.8
22.5°	1513.4	1515.2	1531.2	1543.7	1552.6
25°	1492.0	1493.8	1511.6	1524.1	1533.0
27.5°	1470.7	1470.7	1488.5	1500.9	1509.8
30°	1442.2	1445.7	1460.0	1472.4	1481.3
32.5°	1411.9	1415.5	1429.7	1440.4	1447.5
35°	1381.6	1383.4	1395.9	1403.0	1408.3
37.5°	1346.0	1346.0	1354.9	1360.3	1367.4
40°	1306.9	1305.1	1308.6	1314.0	1317.5
42.5°	1264.1	1260.6	1262.3	1267.7	1267.7
45°	1221.4	1212.5	1207.2	1212.5	1214.3
47.5°	1166.2	1162.6	1153.7	1155.5	1155.5
50°	1116.4	1103.9	1095.0	1093.2	1096.8
52.5°	1061.2	1046.9	1032.7	1030.9	1032.7
55°	1000.6	984.6	970.4	968.6	972.1
57.5°	936.5	920.5	904.5	906.3	908.0
60°	868.9	849.3	831.5	836.8	840.4
62.5°	799.4	779.8	762.0	767.4	776.3
65°	724.6	706.8	689.0	699.7	705.1
67.5°	649.9	630.3	616.0	628.5	637.4
70°	571.5	550.2	537.7	553.7	560.8
72.5°	489.6	473.6	457.6	478.9	487.8
75°	405.9	386.4	381.0	398.8	405.9
77.5°	324.0	306.2	300.9	316.9	325.8
80°	236.8	226.1	220.8	231.5	236.8
82.5°	160.2	147.8	146.0	151.3	154.9
85°	96.1	85.5	81.9	81.9	83.7
87.5°	41.0	35.6	26.7	24.9	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)