

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: P189097

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34839)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WD-3L35-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5245.8 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.42
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

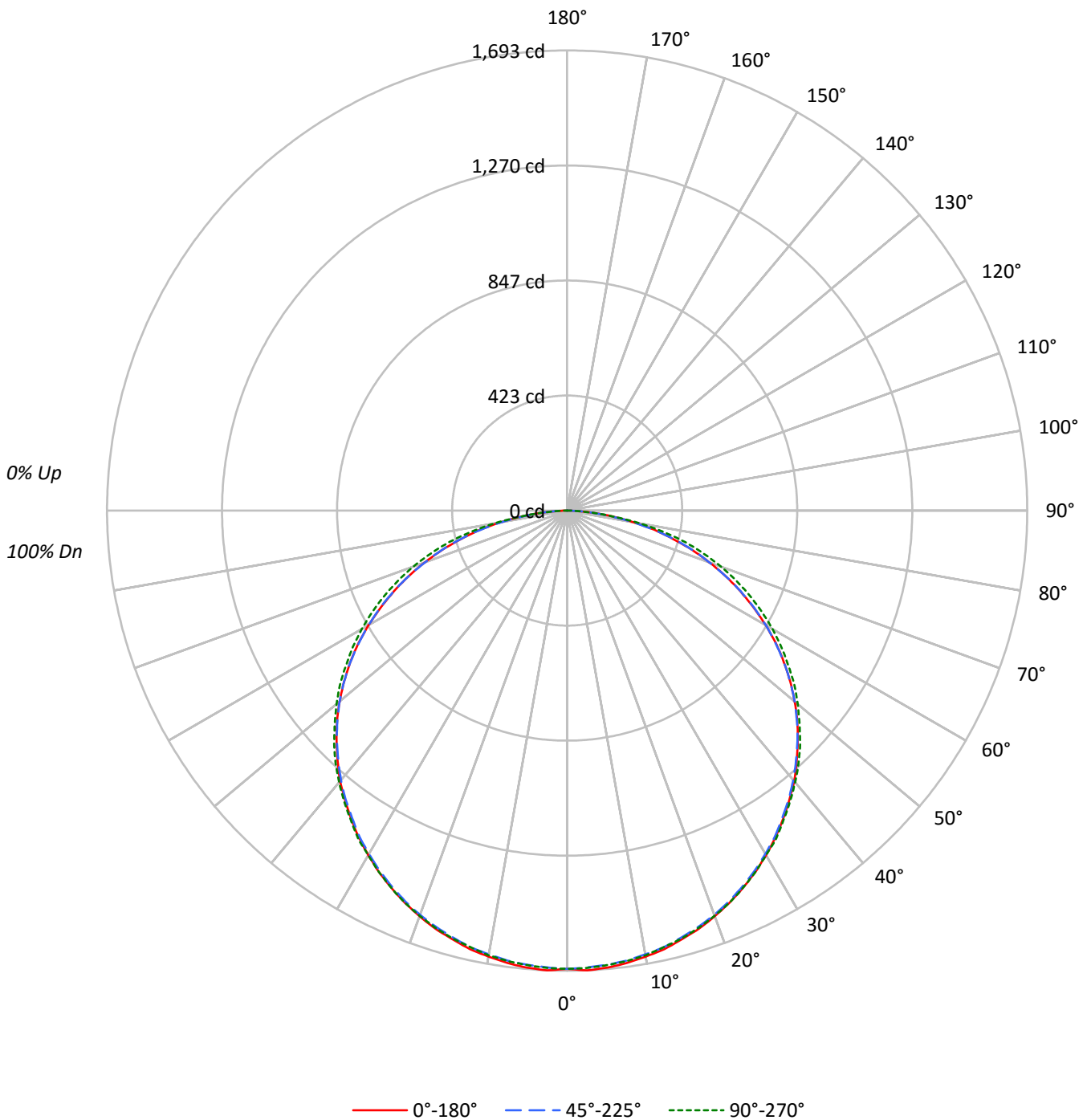
Input Watts (W): 40.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52		62	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	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	30	25		36	29	25		35	29	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2643	2643	2643
5°	2655	2639	2641
10°	2652	2638	2644
15°	2649	2638	2643
20°	2649	2640	2646
25°	2648	2639	2648
30°	2648	2639	2648
35°	2650	2640	2657
40°	2659	2648	2670
45°	2660	2656	2687
50°	2665	2665	2700
55°	2661	2661	2715
60°	2645	2645	2735
65°	2608	2615	2753
70°	2554	2545	2758
75°	2448	2458	2728
80°	2250	2201	2459
85°	1728	1633	1665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.7	3.0
10°-20°	459.6	8.8
20°-30°	704.4	13.4
30°-40°	866.2	16.5
40°-50°	926.8	17.7
50°-60°	874.1	16.7
60°-70°	705.4	13.4
70°-80°	437.0	8.3
80°-90°	112.6	2.1
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°	1323.6	25.2
0°-40°	2189.8	41.7
0°-60°	3990.8	76.1
0°-90°	5245.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5245.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1686	1686	1686	1686	1686	
5°	1688	1681	1677	1675	1679	160
15°	1633	1627	1626	1624	1629	461
25°	1531	1526	1526	1526	1531	706
35°	1385	1382	1380	1383	1389	867
45°	1200	1196	1198	1207	1212	926
55°	974	969	974	985	994	870
65°	703	702	705	726	742	695
75°	404	402	406	433	450	427
85°	96	93	91	86	93	117
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1686.1	1686.1	1686.1	1686.1	1686.1
2.5°	1693.2	1684.3	1682.5	1680.8	1684.3
5°	1687.9	1680.8	1677.2	1675.4	1679.0
7.5°	1679.0	1671.9	1670.1	1666.5	1671.9
10°	1666.5	1659.4	1657.6	1655.8	1661.2
12.5°	1652.3	1645.1	1645.1	1641.6	1645.1
15°	1632.7	1627.3	1625.6	1623.8	1629.1
17.5°	1613.1	1606.0	1606.0	1604.2	1609.5
20°	1588.2	1582.8	1582.8	1581.1	1586.4
22.5°	1561.5	1554.3	1556.1	1556.1	1561.5
25°	1531.2	1525.9	1525.9	1525.9	1531.2
27.5°	1499.2	1493.8	1493.8	1495.6	1499.2
30°	1463.5	1458.2	1458.2	1460.0	1463.5
32.5°	1426.2	1422.6	1422.6	1424.4	1431.5
35°	1385.2	1381.6	1379.9	1383.4	1388.8
37.5°	1342.5	1338.9	1338.9	1344.3	1347.8
40°	1299.7	1294.4	1294.4	1299.7	1305.1
42.5°	1249.9	1246.3	1246.3	1251.7	1260.6
45°	1200.0	1196.5	1198.3	1207.2	1212.5
47.5°	1148.4	1143.1	1146.6	1153.7	1159.1
50°	1093.2	1089.6	1093.2	1100.3	1107.4
52.5°	1034.5	1034.5	1034.5	1045.1	1054.0
55°	973.9	968.6	973.9	984.6	993.5
57.5°	911.6	906.3	909.8	925.8	934.7
60°	843.9	838.6	843.9	861.7	872.4
62.5°	772.7	772.7	776.3	794.1	808.3
65°	703.3	701.5	705.1	726.4	742.5
67.5°	632.1	630.3	632.1	657.0	673.0
70°	557.3	553.7	555.5	584.0	601.8
72.5°	482.5	477.2	484.3	509.2	527.0
75°	404.2	402.4	405.9	432.7	450.5
77.5°	329.4	324.0	325.8	349.0	363.2
80°	249.3	242.1	243.9	258.2	272.4
82.5°	172.7	163.8	165.6	170.9	178.0
85°	96.1	92.6	90.8	85.5	92.6
87.5°	37.4	32.0	26.7	24.9	26.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)