

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: P189163

Luminaire Tested: **DRI-WD-3L40-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189163
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-3L40-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5290.8 lumens
Efficiency: N/A
Efficacy: 131.3 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

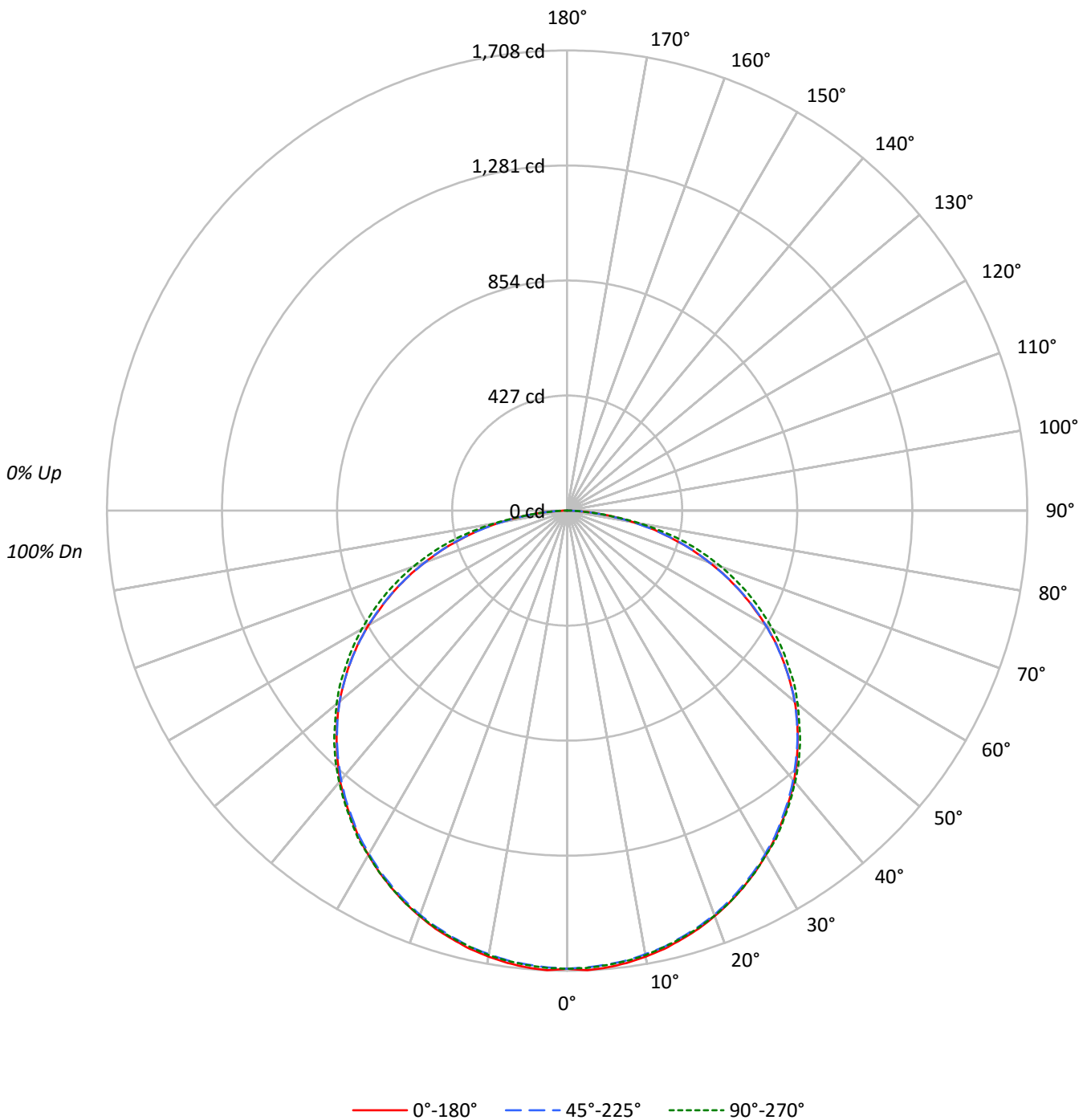
Input Watts (W): 40.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2665	2665	2665
5°	2678	2661	2664
10°	2675	2661	2666
15°	2672	2660	2666
20°	2672	2663	2669
25°	2671	2661	2671
30°	2671	2662	2671
35°	2673	2663	2680
40°	2682	2671	2693
45°	2683	2679	2710
50°	2688	2688	2723
55°	2684	2684	2738
60°	2668	2668	2758
65°	2630	2637	2777
70°	2576	2567	2781
75°	2468	2479	2751
80°	2269	2220	2479
85°	1744	1647	1680



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	3.0
10°-20°	463.5	8.8
20°-30°	710.4	13.4
30°-40°	873.6	16.5
40°-50°	934.8	17.7
50°-60°	881.6	16.7
60°-70°	711.4	13.4
70°-80°	440.7	8.3
80°-90°	113.6	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°	1334.9	25.2
0°-40°	2208.6	41.7
0°-60°	4025.0	76.1
0°-90°	5290.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5290.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1701	1701	1701	1701	1701	
5°	1702	1695	1692	1690	1693	162
15°	1647	1641	1640	1638	1643	465
25°	1544	1539	1539	1539	1544	712
35°	1397	1394	1392	1395	1401	875
45°	1210	1207	1208	1218	1223	934
55°	982	977	982	993	1002	878
65°	709	708	711	733	749	701
75°	408	406	409	436	454	431
85°	97	93	92	86	93	118
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1707.7	1698.8	1697.0	1695.2	1698.8
5°	1702.3	1695.2	1691.6	1689.8	1693.4
7.5°	1693.4	1686.2	1684.4	1680.8	1686.2
10°	1680.8	1673.6	1671.8	1670.0	1675.4
12.5°	1666.4	1659.3	1659.3	1655.7	1659.3
15°	1646.7	1641.3	1639.5	1637.7	1643.1
17.5°	1626.9	1619.7	1619.7	1617.9	1623.3
20°	1601.8	1596.4	1596.4	1594.6	1600.0
22.5°	1574.9	1567.7	1569.5	1569.5	1574.9
25°	1544.3	1538.9	1538.9	1538.9	1544.3
27.5°	1512.0	1506.6	1506.6	1508.4	1512.0
30°	1476.1	1470.7	1470.7	1472.5	1476.1
32.5°	1438.4	1434.8	1434.8	1436.6	1443.8
35°	1397.1	1393.5	1391.7	1395.3	1400.7
37.5°	1354.0	1350.4	1350.4	1355.8	1359.4
40°	1310.9	1305.5	1305.5	1310.9	1316.3
42.5°	1260.6	1257.0	1257.0	1262.4	1271.4
45°	1210.3	1206.7	1208.5	1217.5	1222.9
47.5°	1158.2	1152.9	1156.4	1163.6	1169.0
50°	1102.6	1099.0	1102.6	1109.8	1116.9
52.5°	1043.3	1043.3	1043.3	1054.1	1063.1
55°	982.3	976.9	982.3	993.0	1002.0
57.5°	919.4	914.0	917.6	933.8	942.8
60°	851.2	845.8	851.2	869.1	879.9
62.5°	779.3	779.3	782.9	800.9	815.3
65°	709.3	707.5	711.1	732.7	748.8
67.5°	637.5	635.7	637.5	662.6	678.8
70°	562.1	558.5	560.3	589.0	607.0
72.5°	486.6	481.3	488.4	513.6	531.5
75°	407.6	405.8	409.4	436.4	454.3
77.5°	332.2	326.8	328.6	352.0	366.3
80°	251.4	244.2	246.0	260.4	274.7
82.5°	174.2	165.2	167.0	172.4	179.6
85°	97.0	93.4	91.6	86.2	93.4
87.5°	37.7	32.3	26.9	25.1	26.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)