

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: P189161

Luminaire Tested: **DRI-WD-1L40-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189161
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-1L40-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

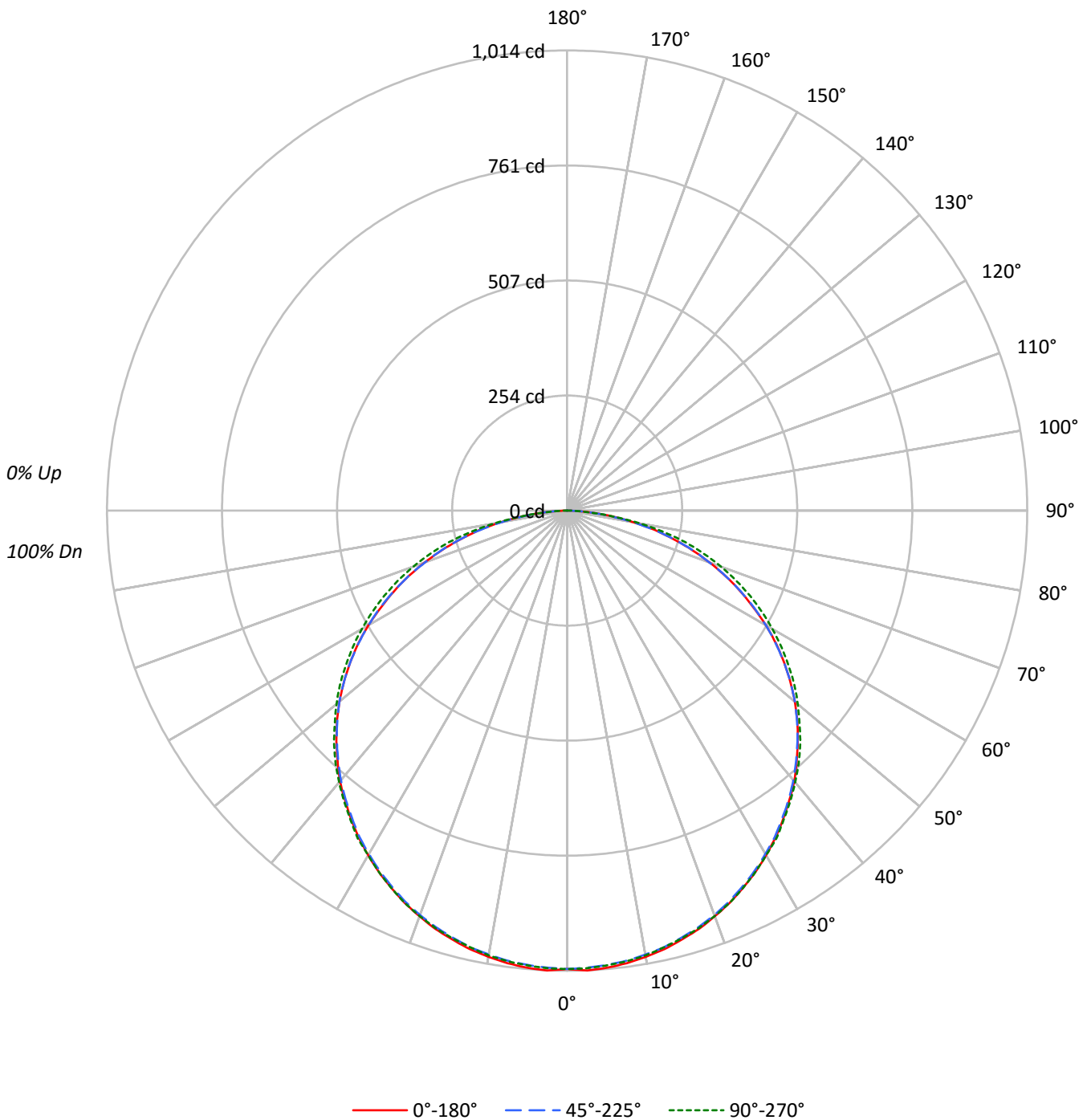
Lumens per Lamp: N/A
Luminaire Lumens: 3143.0 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.42
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 22.9
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°	1583	1583	1583
5°	1591	1581	1583
10°	1589	1581	1584
15°	1587	1580	1584
20°	1587	1582	1585
25°	1586	1581	1586
30°	1587	1581	1587
35°	1588	1582	1592
40°	1593	1587	1600
45°	1594	1591	1610
50°	1597	1597	1618
55°	1594	1594	1627
60°	1585	1585	1638
65°	1563	1566	1650
70°	1530	1525	1652
75°	1467	1473	1634
80°	1347	1319	1473
85°	1036	978	998



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	3.0
10°-20°	275.3	8.8
20°-30°	422.0	13.4
30°-40°	519.0	16.5
40°-50°	555.3	17.7
50°-60°	523.7	16.7
60°-70°	422.6	13.4
70°-80°	261.8	8.3
80°-90°	67.5	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°	793.0	25.2
0°-40°	1312.0	41.7
0°-60°	2391.1	76.1
0°-90°	3143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	1011	1007	1005	1004	1006	96
15°	978	975	974	973	976	276
25°	917	914	914	914	917	423
35°	830	828	827	829	832	520
45°	719	717	718	723	726	555
55°	584	580	584	590	595	521
65°	421	420	422	435	445	417
75°	242	241	243	259	270	256
85°	58	56	54	51	56	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1010.2	1010.2	1010.2	1010.2	1010.2
2.5°	1014.5	1009.2	1008.1	1007.0	1009.2
5°	1011.3	1007.0	1004.9	1003.8	1006.0
7.5°	1006.0	1001.7	1000.6	998.5	1001.7
10°	998.5	994.2	993.2	992.1	995.3
12.5°	990.0	985.7	985.7	983.6	985.7
15°	978.2	975.0	974.0	972.9	976.1
17.5°	966.5	962.2	962.2	961.2	964.4
20°	951.6	948.4	948.4	947.3	950.5
22.5°	935.6	931.3	932.4	932.4	935.6
25°	917.4	914.2	914.2	914.2	917.4
27.5°	898.2	895.0	895.0	896.1	898.2
30°	876.9	873.7	873.7	874.7	876.9
32.5°	854.5	852.3	852.3	853.4	857.7
35°	829.9	827.8	826.7	828.9	832.1
37.5°	804.3	802.2	802.2	805.4	807.5
40°	778.7	775.5	775.5	778.7	781.9
42.5°	748.9	746.7	746.7	749.9	755.3
45°	719.0	716.9	717.9	723.3	726.5
47.5°	688.1	684.9	687.0	691.3	694.5
50°	655.0	652.9	655.0	659.3	663.5
52.5°	619.8	619.8	619.8	626.2	631.5
55°	583.5	580.3	583.5	589.9	595.3
57.5°	546.2	543.0	545.1	554.7	560.1
60°	505.6	502.4	505.6	516.3	522.7
62.5°	463.0	463.0	465.1	475.8	484.3
65°	421.4	420.3	422.4	435.2	444.8
67.5°	378.7	377.6	378.7	393.6	403.2
70°	333.9	331.8	332.8	349.9	360.6
72.5°	289.1	285.9	290.2	305.1	315.8
75°	242.2	241.1	243.2	259.2	269.9
77.5°	197.4	194.2	195.2	209.1	217.6
80°	149.3	145.1	146.1	154.7	163.2
82.5°	103.5	98.1	99.2	102.4	106.7
85°	57.6	55.5	54.4	51.2	55.5
87.5°	22.4	19.2	16.0	14.9	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)