

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: P189153

Luminaire Tested: **DRI-WD-4L40-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34833)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WD-4L40-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

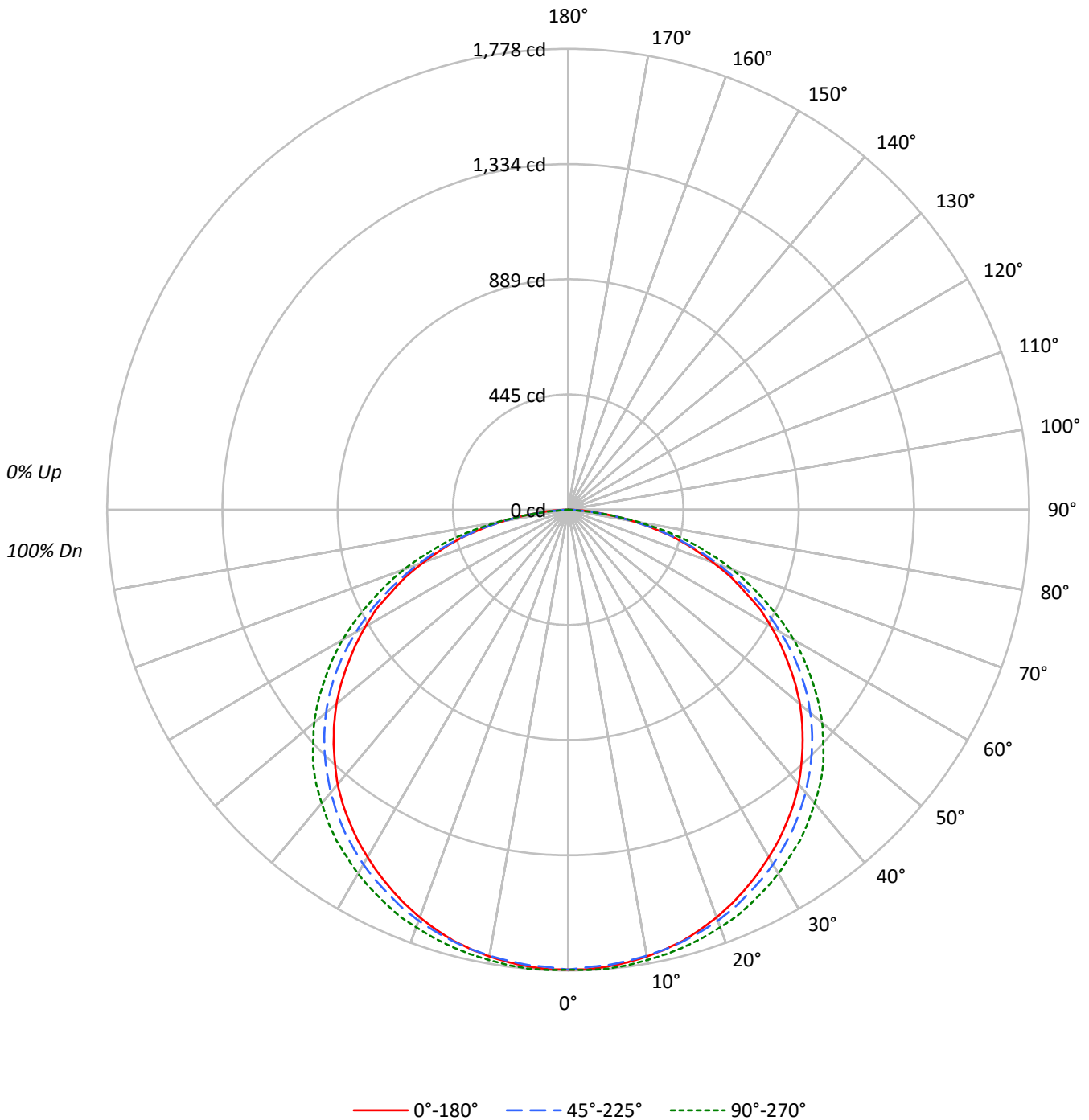
Lumens per Lamp: N/A
Luminaire Lumens: 5724.9 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.46
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

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	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74		81	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	51		62	56	51		60	55	50	48
5	74	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	38		50	43	38		49	42	38	36
7	63	50	40	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5200	5200	5200
5°	5204	5188	5228
10°	5207	5199	5248
15°	5217	5226	5292
20°	5218	5261	5346
25°	5224	5295	5410
30°	5235	5347	5486
35°	5261	5398	5574
40°	5290	5447	5657
45°	5300	5504	5765
50°	5318	5556	5830
55°	5303	5582	5862
60°	5296	5537	5890
65°	5222	5449	5829
70°	5091	5279	5772
75°	4899	4961	5550
80°	4252	4252	4667
85°	3130	2669	1842



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	2.9
10°-20°	488.4	8.5
20°-30°	758.1	13.2
30°-40°	946.3	16.5
40°-50°	1027.6	18.0
50°-60°	976.5	17.1
60°-70°	783.4	13.7
70°-80°	470.9	8.2
80°-90°	105.2	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°	1414.9	24.7
0°-40°	2361.2	41.2
0°-60°	4365.3	76.3
0°-90°	5724.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5724.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1775	1775	1775	1775	1775	
5°	1769	1769	1764	1772	1778	168
15°	1720	1720	1723	1739	1745	485
25°	1616	1624	1638	1665	1673	745
35°	1471	1482	1509	1542	1558	921
45°	1279	1295	1328	1372	1391	987
55°	1038	1057	1093	1131	1148	928
65°	753	764	786	824	841	747
75°	433	433	438	471	490	450
85°	93	88	79	66	55	114
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1774.7	1774.7	1774.7	1774.7	1774.7
2.5°	1774.7	1774.7	1766.5	1777.5	1777.5
5°	1769.3	1769.3	1763.8	1772.0	1777.5
7.5°	1761.0	1761.0	1755.6	1766.5	1772.0
10°	1750.1	1750.1	1747.3	1758.3	1763.8
12.5°	1736.4	1739.1	1736.4	1750.1	1755.6
15°	1720.0	1720.0	1722.7	1739.1	1744.6
17.5°	1698.0	1700.8	1706.3	1722.7	1730.9
20°	1673.4	1678.9	1687.1	1706.3	1714.5
22.5°	1646.0	1654.2	1665.2	1687.1	1698.0
25°	1615.9	1624.1	1637.8	1665.2	1673.4
27.5°	1583.0	1594.0	1610.4	1637.8	1648.8
30°	1547.4	1558.4	1580.3	1607.7	1621.4
32.5°	1511.8	1522.8	1544.7	1574.8	1588.5
35°	1470.7	1481.7	1509.1	1541.9	1558.4
37.5°	1429.6	1440.6	1468.0	1503.6	1520.0
40°	1383.1	1396.8	1424.2	1462.5	1478.9
42.5°	1331.1	1344.7	1377.6	1421.4	1437.9
45°	1279.0	1295.4	1328.3	1372.1	1391.3
47.5°	1224.2	1240.7	1276.3	1320.1	1333.8
50°	1166.7	1183.2	1218.8	1262.6	1279.0
52.5°	1103.7	1125.6	1158.5	1199.6	1216.0
55°	1038.0	1057.2	1092.8	1131.1	1147.6
57.5°	972.3	988.7	1021.6	1059.9	1079.1
60°	903.8	914.8	944.9	983.2	1005.1
62.5°	835.3	843.5	868.2	903.8	925.7
65°	753.2	764.1	786.0	824.4	840.8
67.5°	679.2	684.7	701.1	739.5	758.6
70°	594.3	602.5	616.2	649.1	673.7
72.5°	512.2	517.6	528.6	558.7	580.6
75°	432.7	432.7	438.2	471.1	490.2
77.5°	339.6	342.3	345.1	372.5	386.2
80°	252.0	252.0	252.0	262.9	276.6
82.5°	167.1	164.3	161.6	164.3	169.8
85°	93.1	87.6	79.4	65.7	54.8
87.5°	32.9	27.4	11.0	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)