

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: P189076

Luminaire Tested: **DRI-WD-4L35-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189076
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-4L35-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

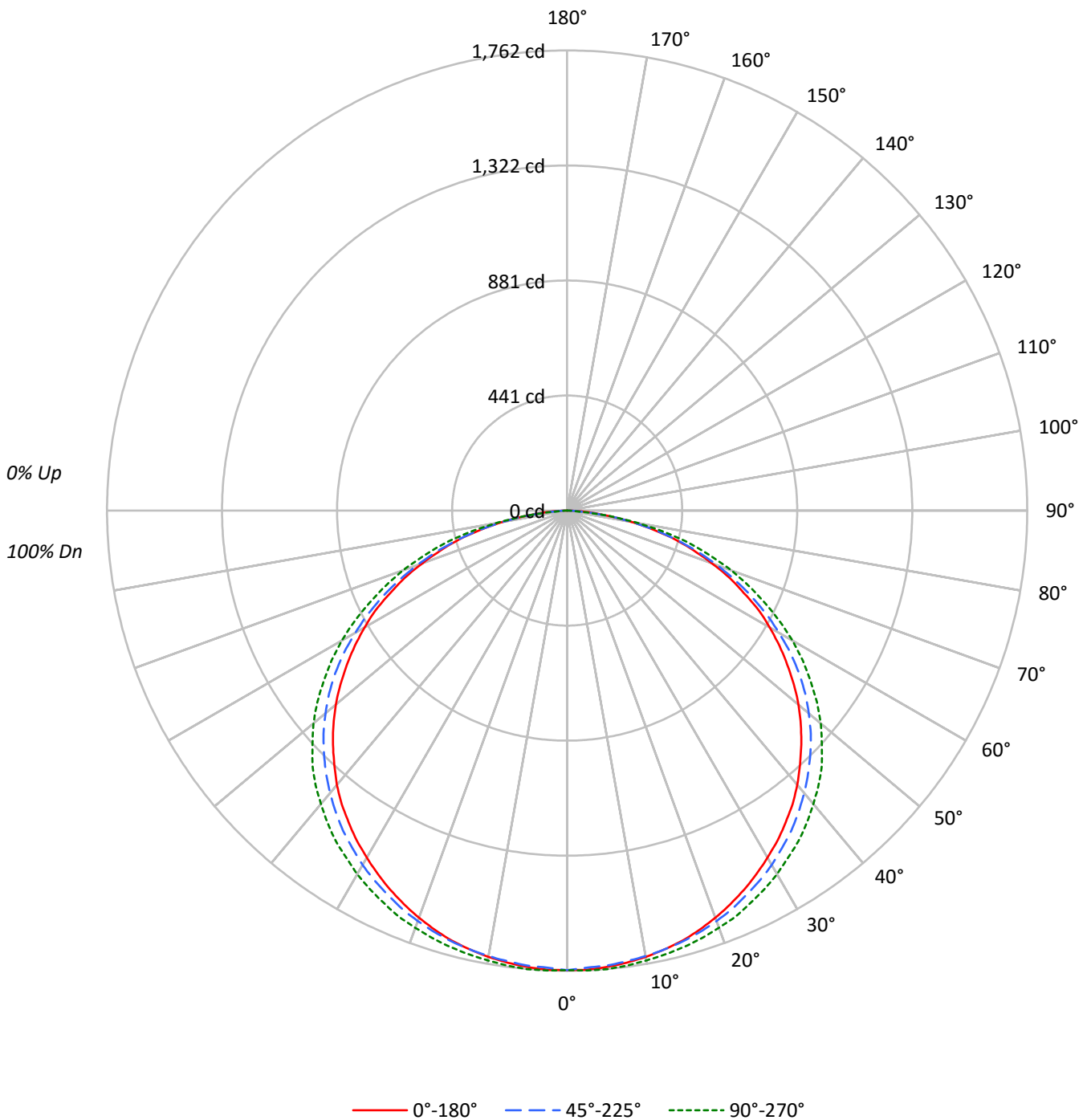
Lumens per Lamp: N/A
Luminaire Lumens: 5676.2 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.46
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

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°	5156	5156	5156
5°	5160	5144	5184
10°	5163	5155	5203
15°	5173	5181	5247
20°	5174	5216	5300
25°	5180	5250	5364
30°	5191	5301	5439
35°	5216	5352	5527
40°	5245	5401	5609
45°	5255	5457	5716
50°	5273	5508	5780
55°	5258	5535	5812
60°	5251	5490	5840
65°	5178	5404	5780
70°	5049	5234	5723
75°	4858	4919	5503
80°	4215	4215	4628
85°	3103	2646	1825



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.0	2.9
10°-20°	484.3	8.5
20°-30°	751.7	13.2
30°-40°	938.2	16.5
40°-50°	1018.9	18.0
50°-60°	968.2	17.1
60°-70°	776.8	13.7
70°-80°	467.0	8.2
80°-90°	104.3	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°	1402.9	24.7
0°-40°	2341.1	41.2
0°-60°	4328.2	76.3
0°-90°	5676.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5676.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1760	1760	1760	1760	1760	
5°	1754	1754	1749	1757	1762	167
15°	1705	1705	1708	1724	1730	481
25°	1602	1610	1624	1651	1659	739
35°	1458	1469	1496	1529	1545	913
45°	1268	1284	1317	1360	1380	979
55°	1029	1048	1084	1122	1138	921
65°	747	758	779	817	834	740
75°	429	429	434	467	486	446
85°	92	87	79	65	54	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1759.7	1759.7	1759.7	1759.7	1759.7
2.5°	1759.7	1759.7	1751.5	1762.4	1762.4
5°	1754.2	1754.2	1748.8	1756.9	1762.4
7.5°	1746.1	1746.1	1740.6	1751.5	1756.9
10°	1735.2	1735.2	1732.5	1743.4	1748.8
12.5°	1721.6	1724.4	1721.6	1735.2	1740.6
15°	1705.3	1705.3	1708.1	1724.4	1729.8
17.5°	1683.6	1686.3	1691.8	1708.1	1716.2
20°	1659.2	1664.6	1672.8	1691.8	1699.9
22.5°	1632.0	1640.2	1651.0	1672.8	1683.6
25°	1602.2	1610.3	1623.9	1651.0	1659.2
27.5°	1569.6	1580.4	1596.7	1623.9	1634.7
30°	1534.3	1545.1	1566.9	1594.0	1607.6
32.5°	1499.0	1509.8	1531.5	1561.4	1575.0
35°	1458.2	1469.1	1496.2	1528.8	1545.1
37.5°	1417.5	1428.4	1455.5	1490.8	1507.1
40°	1371.3	1384.9	1412.1	1450.1	1466.4
42.5°	1319.7	1333.3	1365.9	1409.4	1425.6
45°	1268.1	1284.4	1317.0	1360.5	1379.5
47.5°	1213.8	1230.1	1265.4	1308.9	1322.5
50°	1156.8	1173.1	1208.4	1251.9	1268.1
52.5°	1094.4	1116.1	1148.7	1189.4	1205.7
55°	1029.2	1048.2	1083.5	1121.5	1137.8
57.5°	964.0	980.3	1012.9	1050.9	1069.9
60°	896.1	907.0	936.9	974.9	996.6
62.5°	828.2	836.4	860.8	896.1	917.8
65°	746.8	757.6	779.4	817.4	833.7
67.5°	673.4	678.9	695.2	733.2	752.2
70°	589.3	597.4	611.0	643.6	668.0
72.5°	507.8	513.2	524.1	554.0	575.7
75°	429.1	429.1	434.5	467.1	486.1
77.5°	336.7	339.4	342.2	369.3	382.9
80°	249.8	249.8	249.8	260.7	274.3
82.5°	165.6	162.9	160.2	162.9	168.4
85°	92.3	86.9	78.7	65.2	54.3
87.5°	32.6	27.2	10.9	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)