

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: P189072

Luminaire Tested: **DRI-WD-5L30-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189072
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-5L30-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6453.1 lumens
Efficiency: N/A
Efficacy: 119.9 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

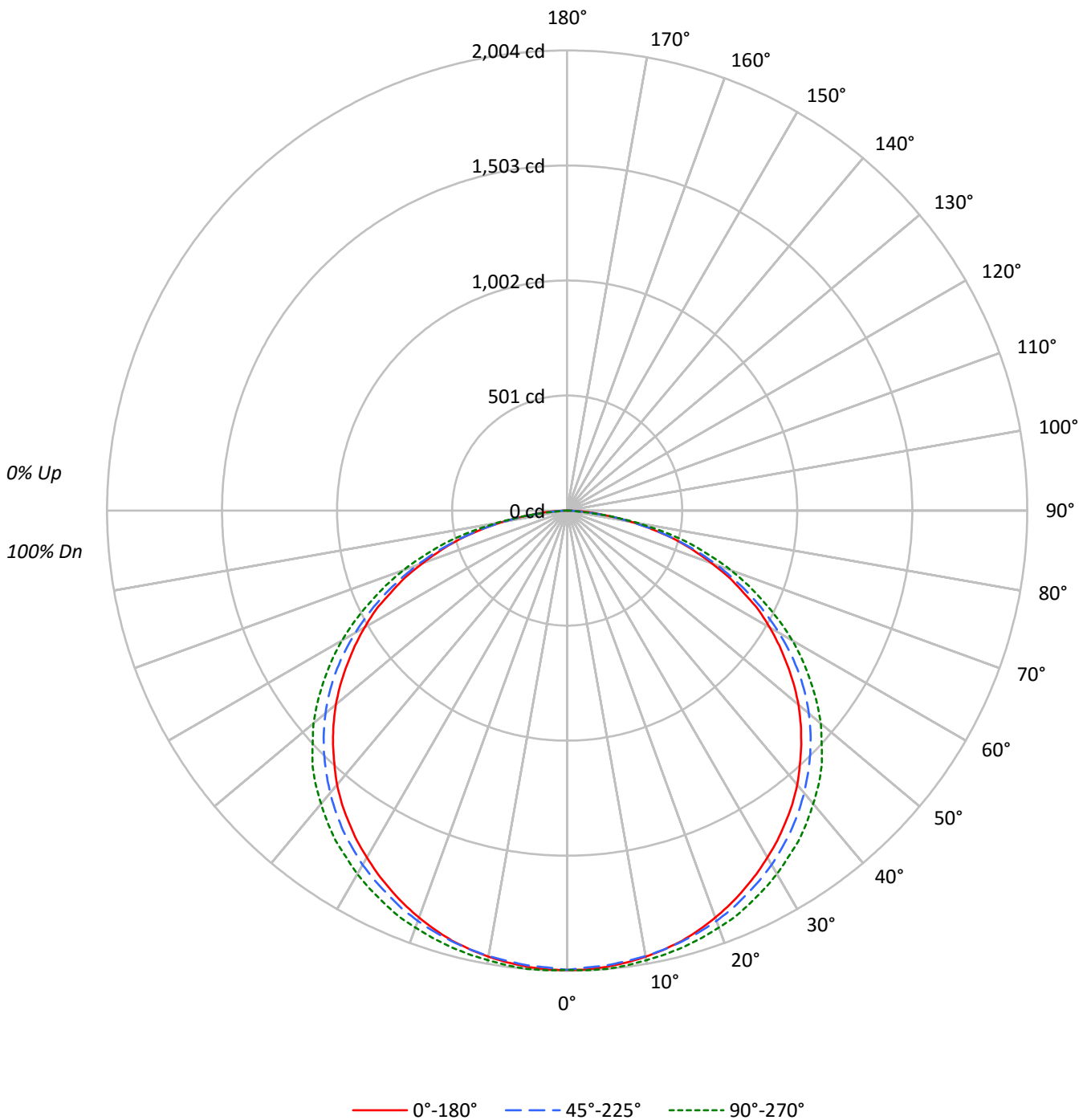
Input Watts (W): 53.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5862	5862	5862
5°	5866	5848	5893
10°	5869	5860	5915
15°	5881	5890	5965
20°	5882	5930	6026
25°	5889	5968	6098
30°	5901	6027	6183
35°	5930	6084	6283
40°	5963	6140	6377
45°	5974	6204	6499
50°	5995	6262	6572
55°	5977	6293	6608
60°	5970	6242	6640
65°	5886	6143	6571
70°	5739	5951	6506
75°	5522	5591	6256
80°	4792	4792	5261
85°	3530	3009	2074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.8	2.9
10°-20°	550.5	8.5
20°-30°	854.5	13.2
30°-40°	1066.7	16.5
40°-50°	1158.4	18.0
50°-60°	1100.6	17.1
60°-70°	883.1	13.7
70°-80°	530.9	8.2
80°-90°	118.6	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°	1594.9	24.7
0°-40°	2661.5	41.2
0°-60°	4920.5	76.3
0°-90°	6453.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6453.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2000	2000	2000	2000	2000	
5°	1994	1994	1988	1997	2004	190
15°	1939	1939	1942	1960	1966	547
25°	1821	1831	1846	1877	1886	840
35°	1658	1670	1701	1738	1757	1038
45°	1442	1460	1497	1547	1568	1112
55°	1170	1192	1232	1275	1294	1046
65°	849	861	886	929	948	842
75°	488	488	494	531	553	508
85°	105	99	90	74	62	128
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2000.5	2000.5	2000.5	2000.5	2000.5
2.5°	2000.5	2000.5	1991.2	2003.6	2003.6
5°	1994.3	1994.3	1988.1	1997.4	2003.6
7.5°	1985.0	1985.0	1978.9	1991.2	1997.4
10°	1972.7	1972.7	1969.6	1982.0	1988.1
12.5°	1957.3	1960.3	1957.3	1972.7	1978.9
15°	1938.7	1938.7	1941.8	1960.3	1966.5
17.5°	1914.0	1917.1	1923.3	1941.8	1951.1
20°	1886.3	1892.4	1901.7	1923.3	1932.6
22.5°	1855.4	1864.6	1877.0	1901.7	1914.0
25°	1821.4	1830.7	1846.1	1877.0	1886.3
27.5°	1784.4	1796.7	1815.3	1846.1	1858.5
30°	1744.2	1756.6	1781.3	1812.2	1827.6
32.5°	1704.1	1716.5	1741.2	1775.1	1790.6
35°	1657.8	1670.2	1701.0	1738.1	1756.6
37.5°	1611.5	1623.8	1654.7	1694.9	1713.4
40°	1559.0	1574.5	1605.3	1648.5	1667.1
42.5°	1500.4	1515.8	1552.8	1602.2	1620.8
45°	1441.7	1460.2	1497.3	1546.7	1568.3
47.5°	1380.0	1398.5	1438.6	1488.0	1503.4
50°	1315.1	1333.7	1373.8	1423.2	1441.7
52.5°	1244.1	1268.8	1305.9	1352.2	1370.7
55°	1170.0	1191.6	1231.8	1275.0	1293.5
57.5°	1095.9	1114.5	1151.5	1194.7	1216.3
60°	1018.8	1031.1	1065.1	1108.3	1133.0
62.5°	941.6	950.8	978.6	1018.8	1043.5
65°	849.0	861.3	886.0	929.2	947.8
67.5°	765.6	771.8	790.3	833.5	855.1
70°	669.9	679.2	694.6	731.7	759.4
72.5°	577.3	583.5	595.8	629.8	654.5
75°	487.8	487.8	493.9	531.0	552.6
77.5°	382.8	385.9	389.0	419.9	435.3
80°	284.0	284.0	284.0	296.4	311.8
82.5°	188.3	185.2	182.1	185.2	191.4
85°	105.0	98.8	89.5	74.1	61.7
87.5°	37.0	30.9	12.3	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)