

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: P189098

Luminaire Tested: **DRI-WD-4L35-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189098
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-4L35-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 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: 6315.8 lumens
Efficiency: N/A
Efficacy: 126.6 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

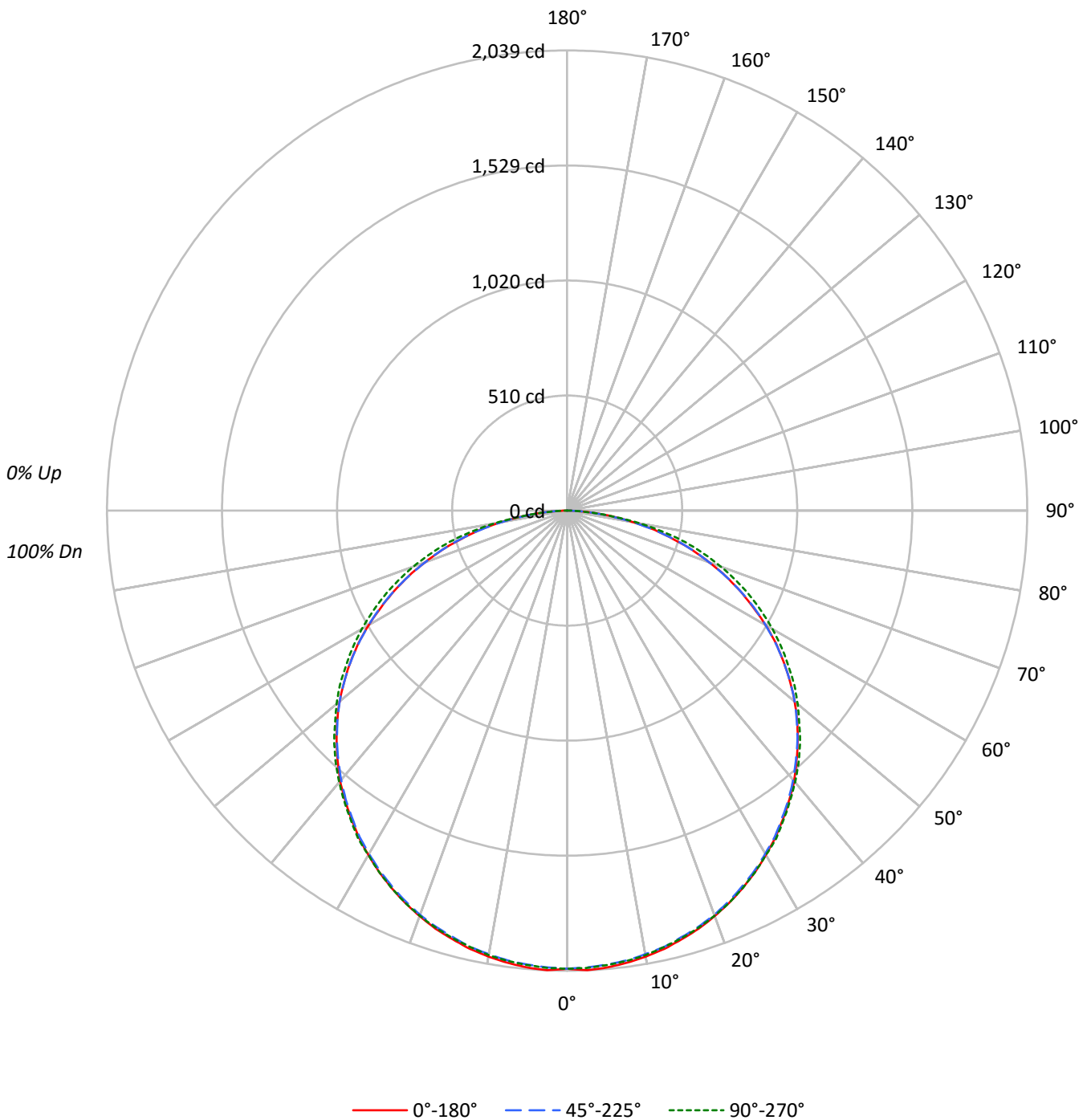
Input Watts (W): 49.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3182	3182	3182
5°	3197	3177	3180
10°	3193	3176	3183
15°	3189	3175	3182
20°	3189	3178	3186
25°	3188	3177	3188
30°	3189	3177	3189
35°	3191	3178	3199
40°	3202	3188	3215
45°	3202	3198	3236
50°	3209	3209	3251
55°	3204	3204	3268
60°	3185	3185	3292
65°	3140	3148	3315
70°	3075	3065	3320
75°	2947	2959	3284
80°	2709	2651	2960
85°	2082	1965	2005



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.2	3.0
10°-20°	553.3	8.8
20°-30°	848.1	13.4
30°-40°	1042.9	16.5
40°-50°	1115.9	17.7
50°-60°	1052.5	16.7
60°-70°	849.3	13.4
70°-80°	526.1	8.3
80°-90°	135.6	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°	1593.6	25.2
0°-40°	2636.5	41.7
0°-60°	4804.8	76.1
0°-90°	6315.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6315.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2030	2030	2030	2030	2030	
5°	2032	2024	2019	2017	2021	193
15°	1966	1959	1957	1955	1961	555
25°	1844	1837	1837	1837	1844	850
35°	1668	1664	1661	1666	1672	1044
45°	1445	1440	1443	1453	1460	1115
55°	1173	1166	1173	1185	1196	1048
65°	847	845	849	875	894	837
75°	487	484	489	521	542	514
85°	116	112	109	103	112	141
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2030.0	2030.0	2030.0	2030.0	2030.0
2.5°	2038.6	2027.9	2025.7	2023.6	2027.9
5°	2032.2	2023.6	2019.3	2017.2	2021.4
7.5°	2021.4	2012.9	2010.7	2006.4	2012.9
10°	2006.4	1997.9	1995.7	1993.6	2000.0
12.5°	1989.3	1980.7	1980.7	1976.4	1980.7
15°	1965.7	1959.3	1957.1	1955.0	1961.4
17.5°	1942.1	1933.6	1933.6	1931.4	1937.8
20°	1912.1	1905.7	1905.7	1903.5	1910.0
22.5°	1880.0	1871.4	1873.5	1873.5	1880.0
25°	1843.5	1837.1	1837.1	1837.1	1843.5
27.5°	1804.9	1798.5	1798.5	1800.7	1804.9
30°	1762.1	1755.6	1755.6	1757.8	1762.1
32.5°	1717.0	1712.8	1712.8	1714.9	1723.5
35°	1667.7	1663.5	1661.3	1665.6	1672.0
37.5°	1616.3	1612.0	1612.0	1618.4	1622.7
40°	1564.9	1558.4	1558.4	1564.9	1571.3
42.5°	1504.8	1500.5	1500.5	1507.0	1517.7
45°	1444.8	1440.5	1442.7	1453.4	1459.8
47.5°	1382.6	1376.2	1380.5	1389.1	1395.5
50°	1316.2	1311.9	1316.2	1324.8	1333.3
52.5°	1245.5	1245.5	1245.5	1258.3	1269.0
55°	1172.6	1166.1	1172.6	1185.4	1196.1
57.5°	1097.5	1091.1	1095.4	1114.7	1125.4
60°	1016.1	1009.7	1016.1	1037.5	1050.4
62.5°	930.3	930.3	934.6	956.1	973.2
65°	846.7	844.6	848.9	874.6	893.9
67.5°	761.0	758.8	761.0	791.0	810.3
70°	671.0	666.7	668.8	703.1	724.5
72.5°	580.9	574.5	583.1	613.1	634.5
75°	486.6	484.5	488.7	520.9	542.3
77.5°	396.6	390.1	392.3	420.2	437.3
80°	300.1	291.5	293.7	310.8	328.0
82.5°	207.9	197.2	199.4	205.8	214.4
85°	115.8	111.5	109.3	102.9	111.5
87.5°	45.0	38.6	32.2	30.0	32.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)