

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: P189130

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34844)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-4L35-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (308) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

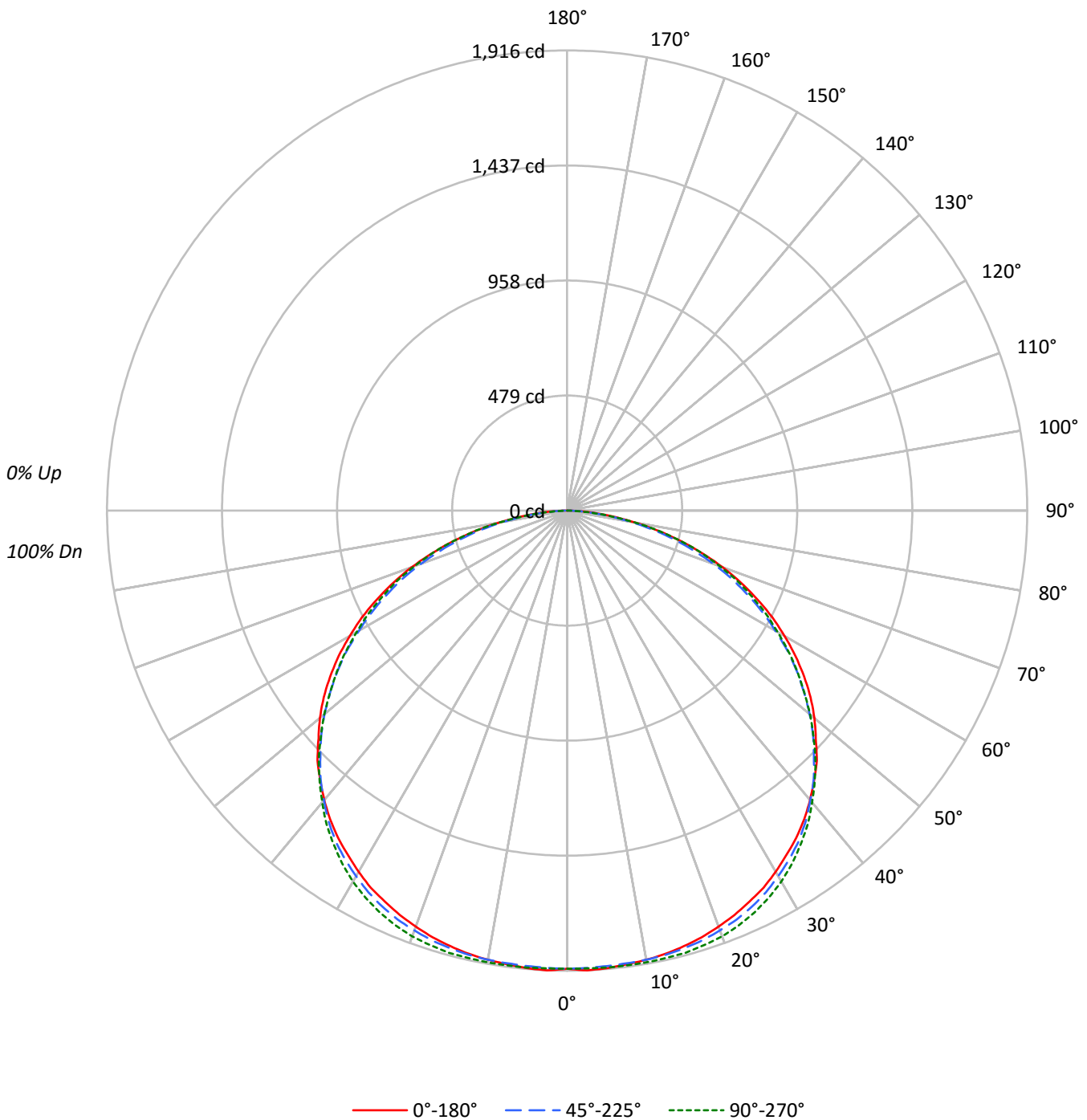
Lumens per Lamp: N/A
Luminaire Lumens: 6238.5 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

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	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	52	65	58	52	63	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	57	45	36	30	43	36	30	42	35	30	41	34	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	29	25	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2990	2990	2990
5°	3008	2995	3005
10°	3023	3023	3040
15°	3047	3061	3092
20°	3075	3103	3146
25°	3106	3147	3192
30°	3142	3181	3228
35°	3183	3215	3244
40°	3219	3224	3245
45°	3259	3221	3240
50°	3277	3214	3220
55°	3292	3192	3198
60°	3279	3138	3171
65°	3236	3077	3148
70°	3153	2967	3094
75°	2959	2778	2959
80°	2573	2399	2573
85°	2082	1773	1813



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.7	2.9
10°-20°	533.6	8.6
20°-30°	838.9	13.4
30°-40°	1049.6	16.8
40°-50°	1125.5	18.0
50°-60°	1051.0	16.8
60°-70°	835.5	13.4
70°-80°	498.5	8.0
80°-90°	124.2	2.0
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°	1554.2	24.9
0°-40°	2603.8	41.7
0°-60°	4780.2	76.6
0°-90°	6238.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6238.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1908	1908	1908	1908	1908	
5°	1912	1904	1904	1901	1910	182
15°	1878	1876	1886	1895	1906	531
25°	1796	1798	1820	1835	1846	829
35°	1664	1666	1681	1689	1696	1041
45°	1470	1460	1453	1460	1462	1131
55°	1205	1185	1168	1166	1170	1075
65°	872	851	830	842	849	862
75°	489	465	459	480	489	515
85°	116	103	99	99	101	136
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1907.8	1907.8	1907.8	1907.8	1907.8
2.5°	1916.4	1905.7	1905.7	1901.4	1907.8
5°	1912.1	1903.5	1903.5	1901.4	1910.0
7.5°	1905.7	1899.3	1901.4	1901.4	1910.0
10°	1899.3	1895.0	1899.3	1901.4	1910.0
12.5°	1890.7	1884.3	1895.0	1899.3	1907.8
15°	1877.8	1875.7	1886.4	1895.0	1905.7
17.5°	1862.8	1860.7	1875.7	1886.4	1897.1
20°	1843.5	1843.5	1860.7	1873.5	1886.4
22.5°	1822.1	1824.2	1843.5	1858.5	1869.2
25°	1796.4	1798.5	1819.9	1834.9	1845.7
27.5°	1770.6	1770.6	1792.1	1807.1	1817.8
30°	1736.3	1740.6	1757.8	1772.8	1783.5
32.5°	1699.9	1704.2	1721.3	1734.2	1742.8
35°	1663.5	1665.6	1680.6	1689.2	1695.6
37.5°	1620.6	1620.6	1631.3	1637.7	1646.3
40°	1573.4	1571.3	1575.6	1582.0	1586.3
42.5°	1522.0	1517.7	1519.8	1526.3	1526.3
45°	1470.5	1459.8	1453.4	1459.8	1462.0
47.5°	1404.1	1399.8	1389.1	1391.2	1391.2
50°	1344.1	1329.1	1318.3	1316.2	1320.5
52.5°	1277.6	1260.5	1243.3	1241.2	1243.3
55°	1204.7	1185.4	1168.3	1166.1	1170.4
57.5°	1127.6	1108.3	1089.0	1091.1	1093.3
60°	1046.1	1022.5	1001.1	1007.5	1011.8
62.5°	962.5	938.9	917.5	923.9	934.6
65°	872.5	851.0	829.6	842.4	848.9
67.5°	782.4	758.8	741.7	756.7	767.4
70°	688.1	662.4	647.4	666.7	675.2
72.5°	589.5	570.2	550.9	576.6	587.4
75°	488.7	465.2	458.7	480.2	488.7
77.5°	390.1	368.7	362.3	381.6	392.3
80°	285.1	272.2	265.8	278.7	285.1
82.5°	192.9	177.9	175.8	182.2	186.5
85°	115.8	102.9	98.6	98.6	100.8
87.5°	49.3	42.9	32.2	30.0	23.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)