

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: P189180

Luminaire Tested: **DRI-WS-4L40-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189180
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-4L40-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

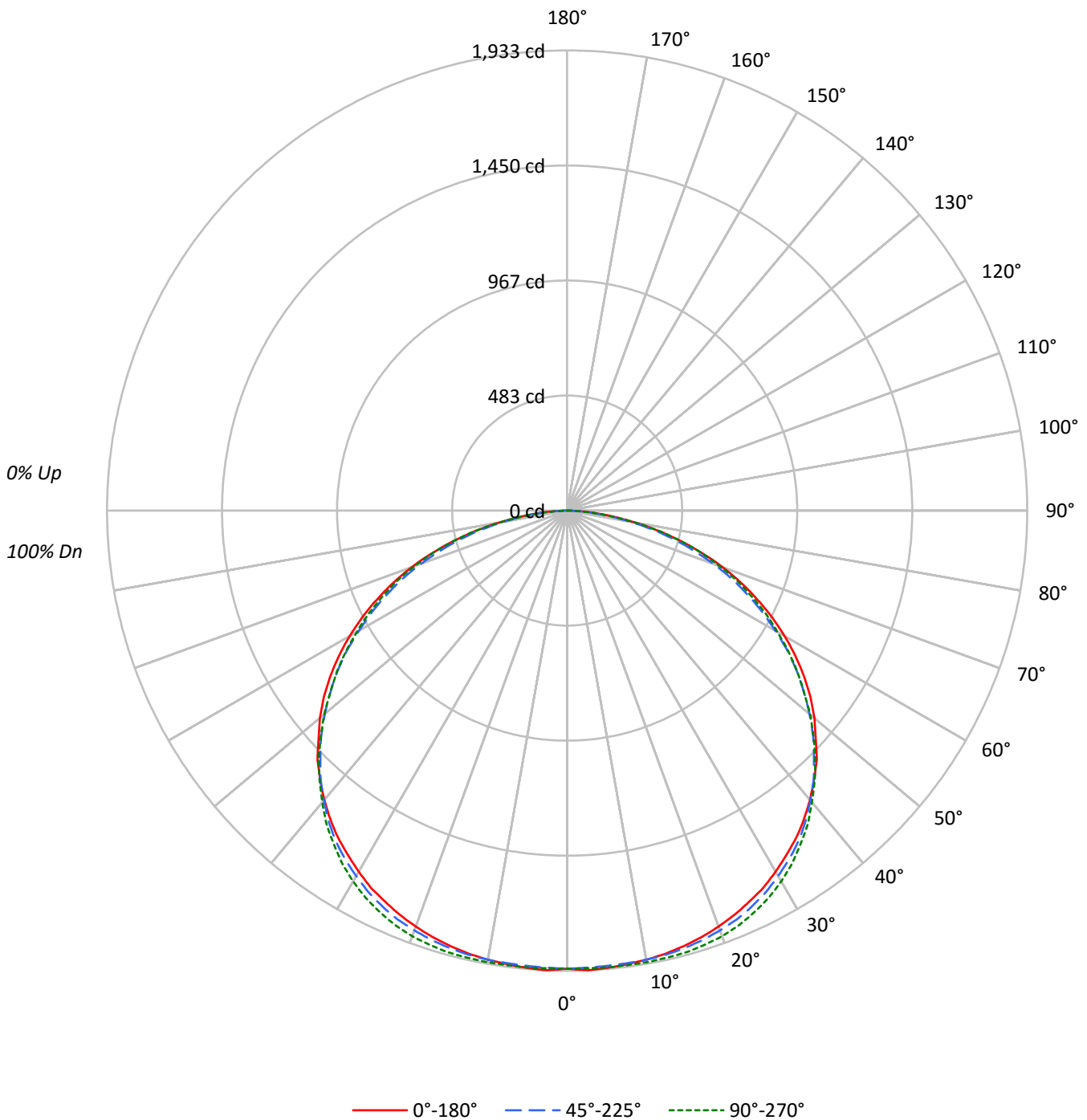
Lumens per Lamp: N/A
Luminaire Lumens: 6291.9 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3016	3016	3016
5°	3034	3020	3031
10°	3048	3048	3066
15°	3073	3087	3119
20°	3101	3130	3173
25°	3133	3174	3219
30°	3169	3208	3255
35°	3210	3243	3272
40°	3247	3251	3273
45°	3287	3249	3268
50°	3305	3242	3247
55°	3320	3220	3226
60°	3307	3165	3199
65°	3263	3103	3175
70°	3180	2992	3121
75°	2985	2802	2985
80°	2595	2420	2595
85°	2099	1789	1827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.2	2.9
10°-20°	538.2	8.6
20°-30°	846.1	13.4
30°-40°	1058.6	16.8
40°-50°	1135.1	18.0
50°-60°	1060.0	16.8
60°-70°	842.7	13.4
70°-80°	502.8	8.0
80°-90°	125.2	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°	1567.5	24.9
0°-40°	2626.1	41.7
0°-60°	4821.2	76.6
0°-90°	6291.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6291.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1924	1924	1924	1924	1924	
5°	1928	1920	1920	1918	1926	184
15°	1894	1892	1903	1911	1922	535
25°	1812	1814	1836	1851	1862	836
35°	1678	1680	1695	1704	1710	1050
45°	1483	1472	1466	1472	1474	1141
55°	1215	1196	1178	1176	1180	1084
65°	880	858	837	850	856	870
75°	493	469	463	484	493	520
85°	117	104	100	100	102	137
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1924.2	1924.2	1924.2	1924.2	1924.2
2.5°	1932.8	1922.0	1922.0	1917.7	1924.2
5°	1928.5	1919.9	1919.9	1917.7	1926.3
7.5°	1922.0	1915.5	1917.7	1917.7	1926.3
10°	1915.5	1911.2	1915.5	1917.7	1926.3
12.5°	1906.9	1900.4	1911.2	1915.5	1924.2
15°	1893.9	1891.8	1902.6	1911.2	1922.0
17.5°	1878.8	1876.6	1891.8	1902.6	1913.4
20°	1859.3	1859.3	1876.6	1889.6	1902.6
22.5°	1837.7	1839.9	1859.3	1874.5	1885.3
25°	1811.8	1813.9	1835.5	1850.7	1861.5
27.5°	1785.8	1785.8	1807.4	1822.6	1833.4
30°	1751.2	1755.5	1772.8	1788.0	1798.8
32.5°	1714.5	1718.8	1736.1	1749.1	1757.7
35°	1677.7	1679.9	1695.0	1703.7	1710.1
37.5°	1634.5	1634.5	1645.3	1651.8	1660.4
40°	1586.9	1584.8	1589.1	1595.6	1599.9
42.5°	1535.0	1530.7	1532.9	1539.3	1539.3
45°	1483.1	1472.3	1465.8	1472.3	1474.5
47.5°	1416.1	1411.8	1401.0	1403.1	1403.1
50°	1355.6	1340.4	1329.6	1327.5	1331.8
52.5°	1288.6	1271.3	1254.0	1251.8	1254.0
55°	1215.0	1195.6	1178.3	1176.1	1180.5
57.5°	1137.2	1117.8	1098.3	1100.5	1102.6
60°	1055.1	1031.3	1009.7	1016.1	1020.5
62.5°	970.7	947.0	925.3	931.8	942.6
65°	879.9	858.3	836.7	849.7	856.2
67.5°	789.1	765.4	748.1	763.2	774.0
70°	694.0	668.1	652.9	672.4	681.0
72.5°	594.6	575.1	555.6	581.6	592.4
75°	492.9	469.2	462.7	484.3	492.9
77.5°	393.5	371.9	365.4	384.8	395.6
80°	287.5	274.6	268.1	281.1	287.5
82.5°	194.6	179.4	177.3	183.8	188.1
85°	116.7	103.8	99.5	99.5	101.6
87.5°	49.7	43.2	32.4	30.3	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)