

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: P189120

Luminaire Tested: **DRI-WS-5L35-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34832)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-5L35-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

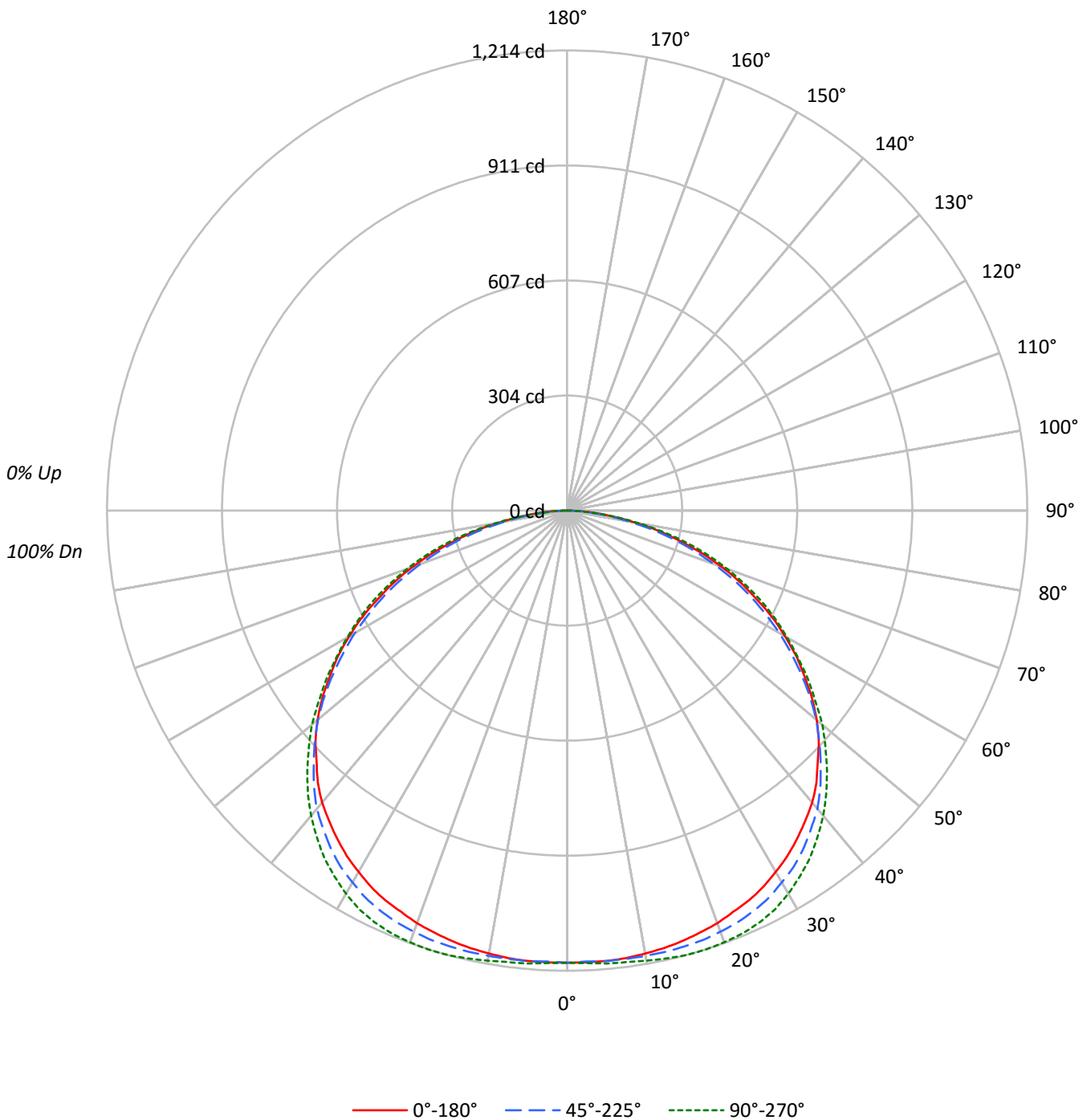
Lumens per Lamp: N/A
Luminaire Lumens: 4019.7 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 33.9
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	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	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	43	38	36
7	63	50	41	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	40	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°	4000	4000	4000
5°	4015	4015	4037
10°	4040	4061	4105
15°	4081	4133	4215
20°	4134	4218	4326
25°	4199	4310	4437
30°	4261	4386	4519
35°	4328	4452	4575
40°	4403	4497	4600
45°	4433	4485	4597
50°	4485	4474	4586
55°	4473	4410	4536
60°	4454	4338	4497
65°	4365	4229	4485
70°	4257	4025	4404
75°	3954	3760	4204
80°	3528	3196	3694
85°	2978	2397	2562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	2.8
10°-20°	337.6	8.4
20°-30°	537.7	13.4
30°-40°	680.1	16.9
40°-50°	732.6	18.2
50°-60°	681.0	16.9
60°-70°	537.7	13.4
70°-80°	318.4	7.9
80°-90°	80.7	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°	989.3	24.6
0°-40°	1669.3	41.5
0°-60°	3082.9	76.7
0°-90°	4019.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4019.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1193	1191	1193	1197	1199	114
15°	1176	1180	1191	1208	1214	332
25°	1135	1141	1165	1188	1199	523
35°	1057	1066	1088	1109	1118	662
45°	935	939	946	961	969	723
55°	765	756	754	765	776	685
65°	550	535	533	552	565	545
75°	305	292	290	312	324	325
85°	77	69	62	64	67	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1192.8	1192.8	1192.8	1192.8	1192.8
2.5°	1192.8	1192.8	1190.7	1192.8	1195.0
5°	1192.8	1190.7	1192.8	1197.1	1199.3
7.5°	1190.7	1190.7	1192.8	1197.1	1201.4
10°	1186.4	1186.4	1192.8	1201.4	1205.7
12.5°	1182.1	1184.3	1192.8	1203.6	1210.0
15°	1175.7	1180.0	1190.7	1207.9	1214.3
17.5°	1167.1	1173.5	1188.5	1205.7	1214.3
20°	1158.5	1164.9	1182.1	1203.6	1212.2
22.5°	1145.6	1154.2	1175.7	1197.1	1207.9
25°	1134.8	1141.3	1164.9	1188.5	1199.3
27.5°	1119.8	1128.4	1152.0	1175.7	1186.4
30°	1100.4	1111.2	1132.7	1156.3	1167.1
32.5°	1081.1	1089.7	1113.3	1134.8	1143.4
35°	1057.4	1066.0	1087.5	1109.0	1117.6
37.5°	1031.7	1040.2	1057.4	1076.8	1085.4
40°	1005.9	1010.2	1027.4	1042.4	1051.0
42.5°	973.6	975.8	988.7	1005.9	1012.3
45°	934.9	939.2	945.7	960.7	969.3
47.5°	900.5	898.4	902.7	917.7	924.2
50°	859.7	853.3	857.6	868.3	879.1
52.5°	814.6	806.0	808.1	816.7	825.3
55°	765.1	756.5	754.4	765.1	775.9
57.5°	717.9	707.1	700.7	713.6	722.2
60°	664.1	651.2	646.9	662.0	670.6
62.5°	610.4	595.3	588.9	606.1	619.0
65°	550.2	535.2	533.0	552.4	565.3
67.5°	494.3	479.3	472.8	490.0	507.2
70°	434.2	414.8	410.5	434.2	449.2
72.5°	371.8	354.6	350.3	376.1	389.0
75°	305.2	292.3	290.2	311.6	324.5
77.5°	247.2	227.8	227.8	249.3	257.9
80°	182.7	169.8	165.5	182.7	191.3
82.5°	124.7	116.1	111.8	118.2	129.0
85°	77.4	68.8	62.3	64.5	66.6
87.5°	34.4	27.9	21.5	17.2	19.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)