

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: P189114

Luminaire Tested: **DRI-WS-5L30-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189114
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-5L30-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (168) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3800.4 lumens
Efficiency: N/A
Efficacy: 112.1 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

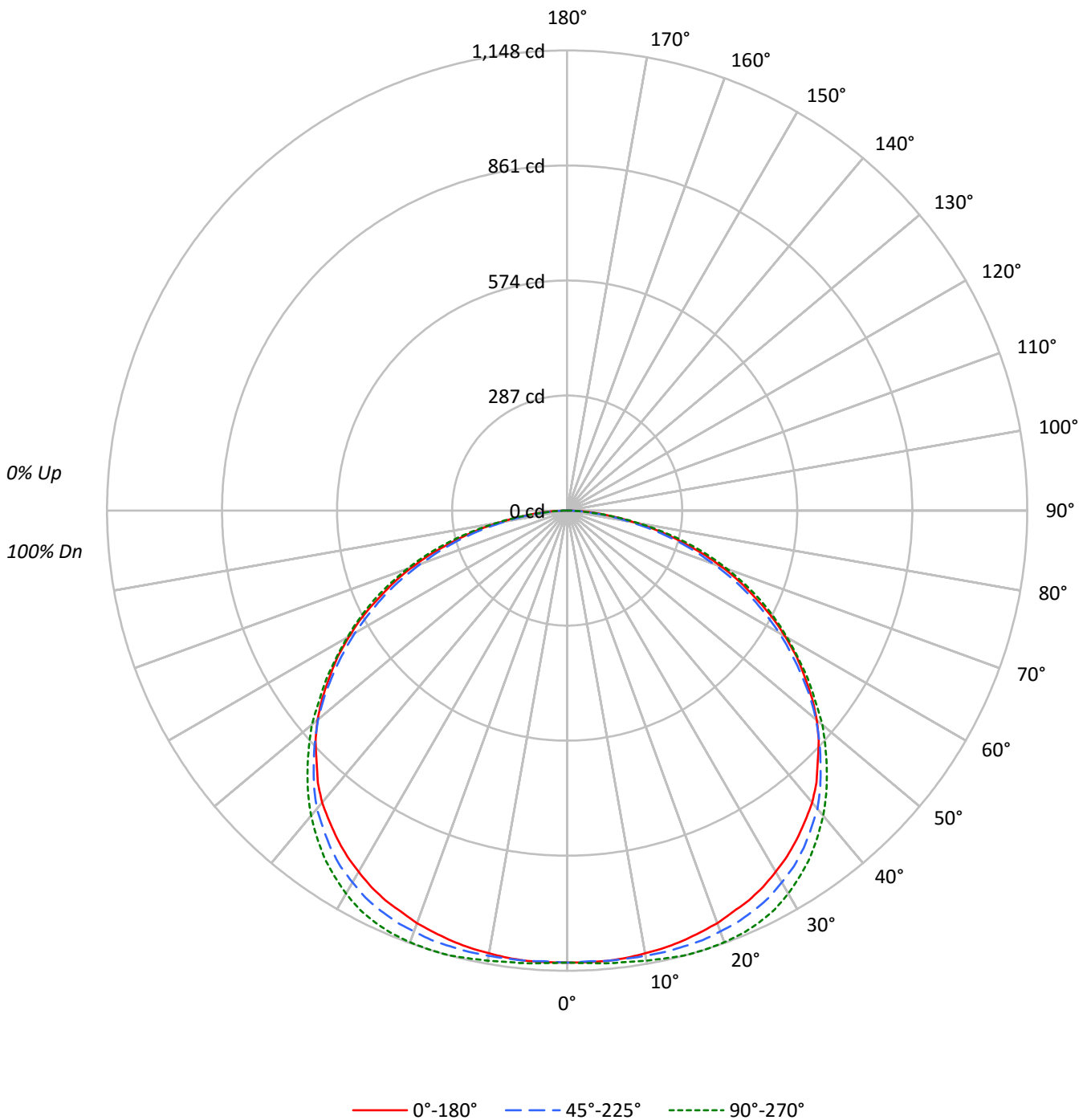
Input Watts (W): 33.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3782	3782	3782
5°	3796	3796	3817
10°	3819	3840	3882
15°	3859	3908	3986
20°	3908	3988	4090
25°	3970	4075	4195
30°	4028	4146	4272
35°	4093	4209	4326
40°	4163	4252	4350
45°	4192	4240	4346
50°	4240	4230	4336
55°	4229	4169	4289
60°	4211	4102	4252
65°	4127	3998	4240
70°	4025	3805	4164
75°	3738	3554	3975
80°	3335	3022	3493
85°	2816	2266	2424



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	2.8
10°-20°	319.2	8.4
20°-30°	508.4	13.4
30°-40°	643.0	16.9
40°-50°	692.6	18.2
50°-60°	643.9	16.9
60°-70°	508.4	13.4
70°-80°	301.1	7.9
80°-90°	76.3	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°	935.3	24.6
0°-40°	1578.3	41.5
0°-60°	2914.7	76.7
0°-90°	3800.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3800.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1128	1128	1128	1128	1128	
5°	1128	1126	1128	1132	1134	107
15°	1112	1116	1126	1142	1148	314
25°	1073	1079	1101	1124	1134	495
35°	1000	1008	1028	1048	1057	626
45°	884	888	894	908	916	683
55°	723	715	713	723	734	647
65°	520	506	504	522	534	516
75°	288	276	274	295	307	307
85°	73	65	59	61	63	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1127.8	1127.8	1127.8	1127.8	1127.8
2.5°	1127.8	1127.8	1125.7	1127.8	1129.8
5°	1127.8	1125.7	1127.8	1131.8	1133.9
7.5°	1125.7	1125.7	1127.8	1131.8	1135.9
10°	1121.7	1121.7	1127.8	1135.9	1140.0
12.5°	1117.6	1119.6	1127.8	1137.9	1144.0
15°	1111.5	1115.6	1125.7	1142.0	1148.1
17.5°	1103.4	1109.5	1123.7	1140.0	1148.1
20°	1095.3	1101.4	1117.6	1137.9	1146.1
22.5°	1083.1	1091.2	1111.5	1131.8	1142.0
25°	1072.9	1079.0	1101.4	1123.7	1133.9
27.5°	1058.7	1066.8	1089.2	1111.5	1121.7
30°	1040.4	1050.6	1070.9	1093.2	1103.4
32.5°	1022.1	1030.2	1052.6	1072.9	1081.0
35°	999.8	1007.9	1028.2	1048.5	1056.7
37.5°	975.4	983.5	999.8	1018.0	1026.2
40°	951.0	955.1	971.3	985.5	993.7
42.5°	920.5	922.5	934.7	951.0	957.1
45°	883.9	888.0	894.1	908.3	916.4
47.5°	851.4	849.4	853.5	867.7	873.8
50°	812.8	806.7	810.8	820.9	831.1
52.5°	770.1	762.0	764.0	772.2	780.3
55°	723.4	715.3	713.2	723.4	733.6
57.5°	678.7	668.5	662.4	674.6	682.8
60°	627.9	615.7	611.6	625.9	634.0
62.5°	577.1	562.9	556.8	573.0	585.2
65°	520.2	506.0	503.9	522.2	534.4
67.5°	467.4	453.1	447.0	463.3	479.6
70°	410.5	392.2	388.1	410.5	424.7
72.5°	351.5	335.3	331.2	355.6	367.8
75°	288.5	276.4	274.3	294.6	306.8
77.5°	233.7	215.4	215.4	235.7	243.8
80°	172.7	160.5	156.5	172.7	180.9
82.5°	117.9	109.7	105.7	111.8	121.9
85°	73.2	65.0	58.9	61.0	63.0
87.5°	32.5	26.4	20.3	16.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)