

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: P189167

Luminaire Tested: **DRI-WS-2L40-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34838)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-2L40-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

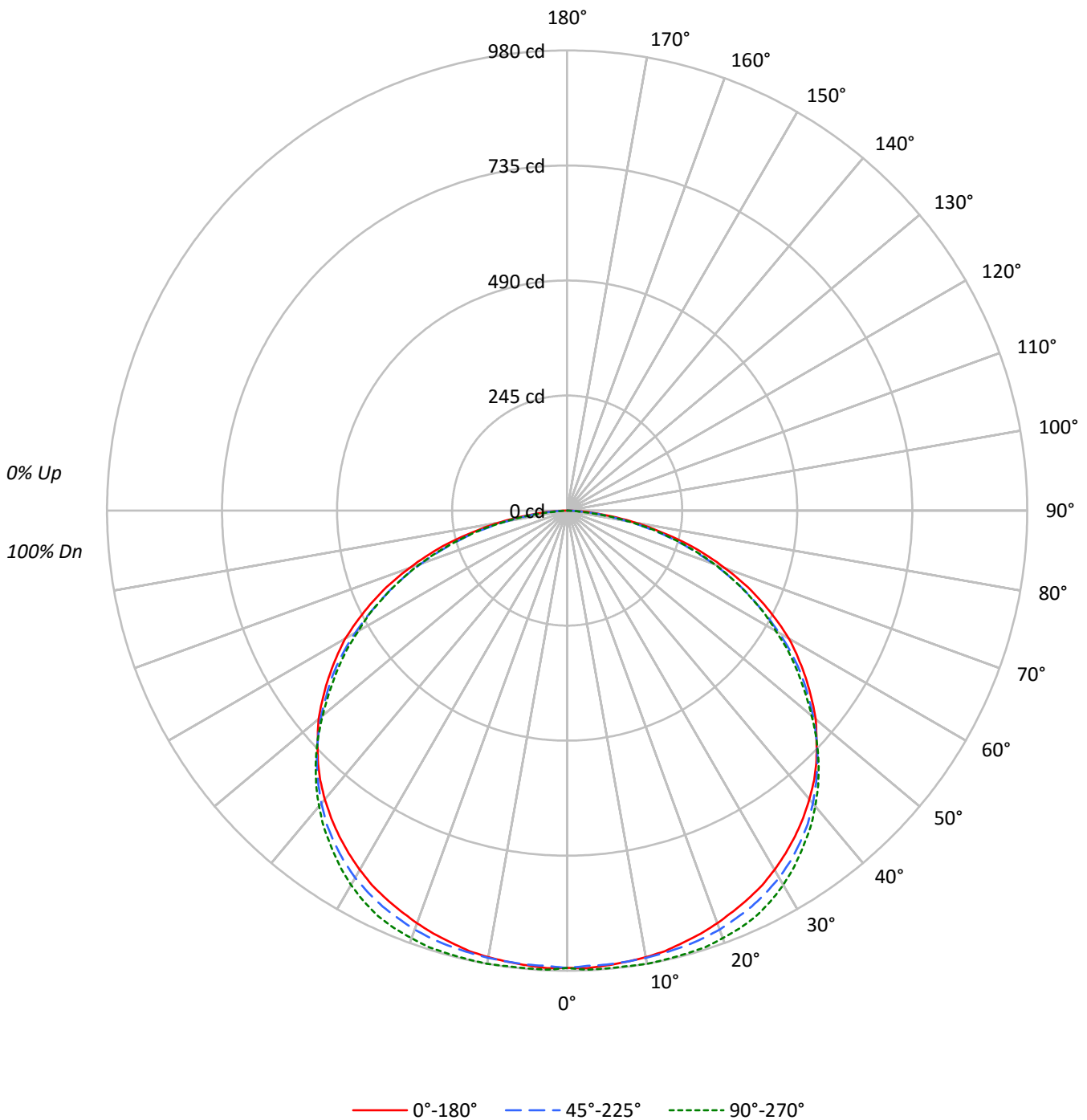
Lumens per Lamp: N/A
Luminaire Lumens: 3200.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.39 / 1.48
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 24.3
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	94	91	93	90	88	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	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	51	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	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	29	25	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2854	2854	2854
5°	2860	2855	2879
10°	2874	2878	2917
15°	2891	2915	2964
20°	2916	2961	3021
25°	2950	3008	3081
30°	2989	3054	3115
35°	3027	3091	3131
40°	3070	3113	3144
45°	3112	3125	3139
50°	3151	3122	3099
55°	3168	3111	3061
60°	3199	3057	3010
65°	3157	2967	2956
70°	3058	2837	2864
75°	2871	2615	2651
80°	2480	2180	2207
85°	1846	1520	1032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.9	2.9
10°-20°	272.7	8.5
20°-30°	429.9	13.4
30°-40°	540.2	16.9
40°-50°	582.0	18.2
50°-60°	544.6	17.0
60°-70°	430.7	13.5
70°-80°	250.4	7.8
80°-90°	56.6	1.8
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°	795.5	24.9
0°-40°	1335.7	41.7
0°-60°	2462.3	76.9
0°-90°	3200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3200.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	974	974	974	974	974	
5°	972	974	971	977	979	93
15°	953	956	961	972	977	269
25°	912	919	930	946	953	421
35°	846	854	864	874	875	530
45°	751	754	754	756	758	579
55°	620	620	609	602	599	554
65°	455	447	428	428	426	449
75°	254	242	231	234	234	266
85°	55	50	45	37	31	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	973.9	973.9	973.9	973.9	973.9
2.5°	975.5	973.9	970.6	977.1	978.7
5°	972.3	973.9	970.6	977.1	978.7
7.5°	969.0	970.6	969.0	977.1	978.7
10°	965.8	967.4	967.4	977.1	980.3
12.5°	961.0	962.6	964.2	975.5	978.7
15°	952.9	956.1	961.0	972.3	977.1
17.5°	944.8	949.7	956.1	970.6	975.5
20°	935.1	940.0	949.7	964.2	969.0
22.5°	923.8	930.3	940.0	956.1	962.6
25°	912.5	919.0	930.3	946.4	952.9
27.5°	899.6	906.0	917.4	933.5	938.3
30°	883.4	891.5	902.8	917.4	920.6
32.5°	865.7	873.7	885.1	896.4	899.6
35°	846.3	854.4	864.1	873.7	875.4
37.5°	825.3	833.4	841.4	847.9	851.1
40°	802.7	809.1	814.0	820.4	822.1
42.5°	778.5	783.3	784.9	791.4	791.4
45°	751.0	754.2	754.2	755.8	757.5
47.5°	720.3	725.2	720.3	721.9	720.3
50°	691.2	691.2	684.8	683.2	679.9
52.5°	655.7	655.7	646.0	642.8	639.6
55°	620.2	620.2	608.9	602.4	599.2
57.5°	583.0	579.8	566.9	560.4	558.8
60°	545.9	537.8	521.7	516.8	513.6
62.5°	500.7	494.2	474.8	473.2	473.2
65°	455.4	447.4	428.0	428.0	426.4
67.5°	408.6	398.9	381.2	381.2	381.2
70°	356.9	347.2	331.1	332.7	334.3
72.5°	306.9	295.6	281.0	282.6	284.3
75°	253.6	242.3	231.0	234.2	234.2
77.5°	197.0	190.6	180.9	182.5	185.7
80°	147.0	138.9	129.2	132.4	130.8
82.5°	96.9	88.8	84.0	82.4	82.4
85°	54.9	50.1	45.2	37.1	30.7
87.5°	24.2	17.8	6.5	4.8	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)