

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: P189173

Luminaire Tested: **DRI-WS-3L40-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189173
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-3L40-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (168) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

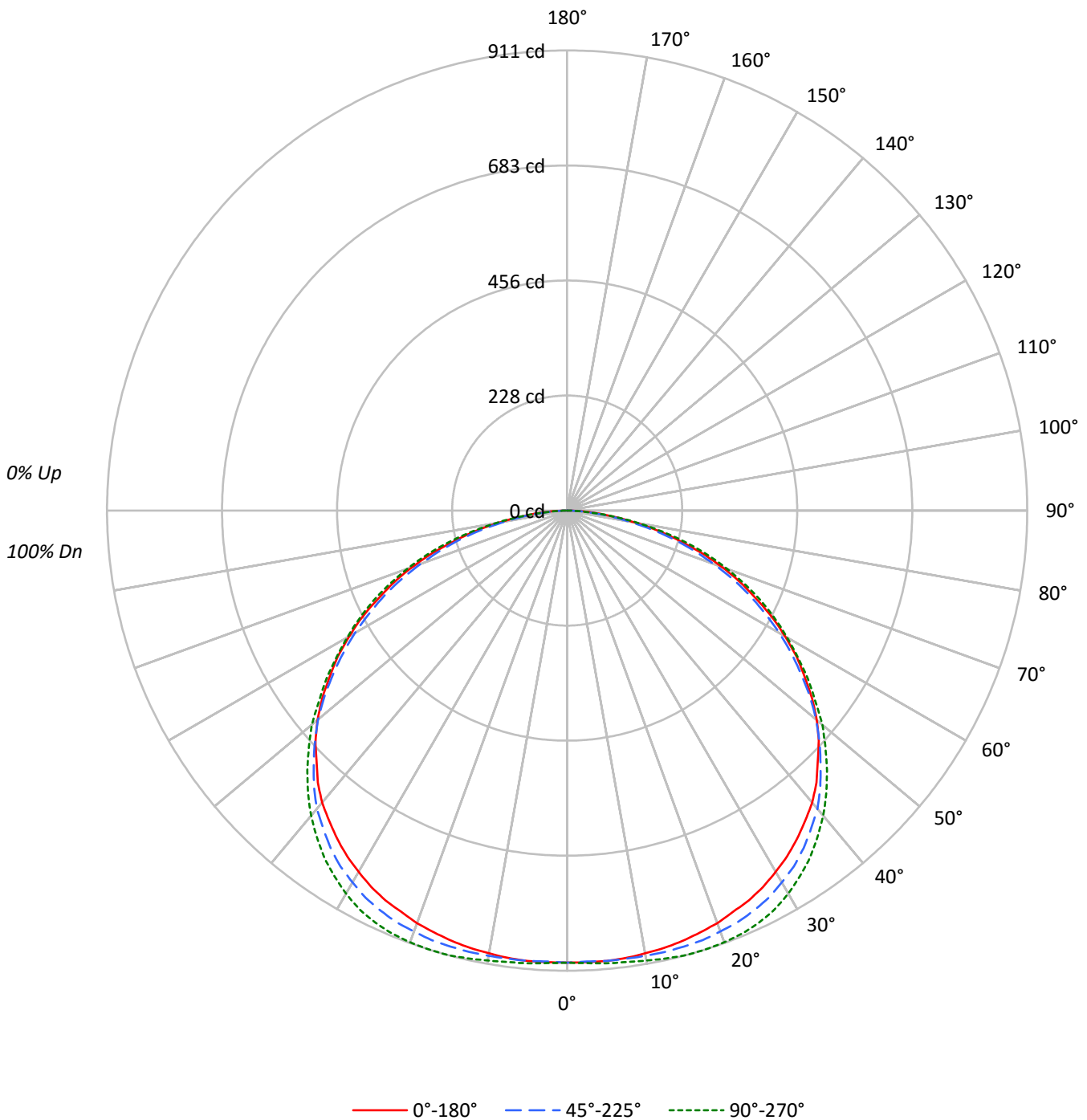
Lumens per Lamp: N/A
Luminaire Lumens: 3015.9 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 24.4
Input Voltage (V): NR
Input Current (A_{in}): 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°	3001	3001	3001
5°	3013	3013	3029
10°	3031	3047	3080
15°	3062	3101	3163
20°	3102	3165	3245
25°	3150	3234	3329
30°	3197	3290	3390
35°	3248	3340	3432
40°	3304	3374	3451
45°	3327	3365	3449
50°	3365	3356	3440
55°	3356	3309	3403
60°	3342	3255	3374
65°	3275	3173	3365
70°	3193	3020	3304
75°	2967	2820	3155
80°	2647	2398	2771
85°	2235	1801	1924



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	2.8
10°-20°	253.3	8.4
20°-30°	403.4	13.4
30°-40°	510.2	16.9
40°-50°	549.6	18.2
50°-60°	511.0	16.9
60°-70°	403.4	13.4
70°-80°	238.9	7.9
80°-90°	60.5	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°	742.2	24.6
0°-40°	1252.5	41.5
0°-60°	2313.1	76.7
0°-90°	3015.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3015.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	895	895	895	895	895	
5°	895	893	895	898	900	85
15°	882	885	893	906	911	249
25°	851	856	874	892	900	393
35°	793	800	816	832	838	497
45°	702	705	710	721	727	542
55°	574	568	566	574	582	514
65°	413	402	400	414	424	409
75°	229	219	218	234	244	244
85°	58	52	47	48	50	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	895.0	895.0	895.0	895.0	895.0
2.5°	895.0	895.0	893.4	895.0	896.6
5°	895.0	893.4	895.0	898.2	899.8
7.5°	893.4	893.4	895.0	898.2	901.4
10°	890.1	890.1	895.0	901.4	904.6
12.5°	886.9	888.5	895.0	903.0	907.9
15°	882.1	885.3	893.4	906.3	911.1
17.5°	875.6	880.5	891.7	904.6	911.1
20°	869.2	874.0	886.9	903.0	909.5
22.5°	859.5	865.9	882.1	898.2	906.3
25°	851.4	856.3	874.0	891.7	899.8
27.5°	840.1	846.6	864.3	882.1	890.1
30°	825.6	833.7	849.8	867.6	875.6
32.5°	811.1	817.6	835.3	851.4	857.9
35°	793.4	799.8	816.0	832.1	838.5
37.5°	774.0	780.5	793.4	807.9	814.3
40°	754.7	757.9	770.8	782.1	788.5
42.5°	730.5	732.1	741.8	754.7	759.5
45°	701.5	704.7	709.5	720.8	727.3
47.5°	675.7	674.0	677.3	688.6	693.4
50°	645.0	640.2	643.4	651.5	659.5
52.5°	611.2	604.7	606.3	612.8	619.2
55°	574.1	567.6	566.0	574.1	582.1
57.5°	538.6	530.5	525.7	535.4	541.8
60°	498.3	488.6	485.4	496.7	503.1
62.5°	458.0	446.7	441.8	454.7	464.4
65°	412.8	401.5	399.9	414.4	424.1
67.5°	370.9	359.6	354.8	367.7	380.6
70°	325.7	311.2	308.0	325.7	337.0
72.5°	279.0	266.1	262.8	282.2	291.9
75°	229.0	219.3	217.7	233.8	243.5
77.5°	185.4	170.9	170.9	187.1	193.5
80°	137.1	127.4	124.2	137.1	143.5
82.5°	93.5	87.1	83.9	88.7	96.8
85°	58.1	51.6	46.8	48.4	50.0
87.5°	25.8	21.0	16.1	12.9	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)