

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: P189117

Luminaire Tested: **DRI-WS-2L35-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189117
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-2L35-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

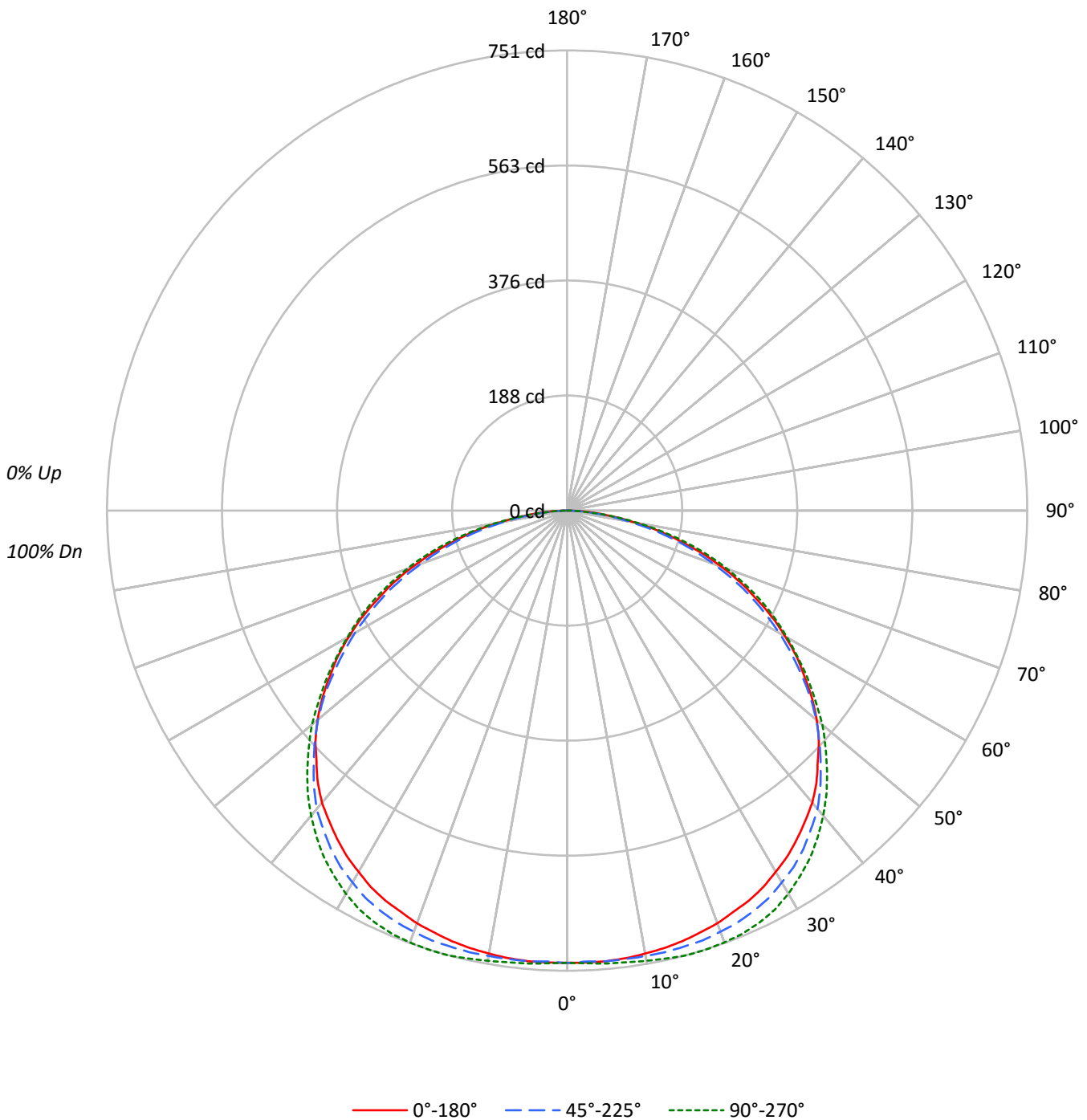
Lumens per Lamp: N/A
Luminaire Lumens: 2487.2 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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°	2475	2475	2475
5°	2484	2484	2498
10°	2500	2513	2540
15°	2525	2557	2608
20°	2558	2610	2676
25°	2598	2667	2746
30°	2636	2713	2796
35°	2678	2754	2831
40°	2724	2783	2847
45°	2743	2775	2844
50°	2775	2768	2837
55°	2768	2729	2807
60°	2756	2685	2782
65°	2701	2617	2775
70°	2633	2490	2725
75°	2446	2326	2601
80°	2182	1977	2286
85°	1843	1485	1585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	2.8
10°-20°	208.9	8.4
20°-30°	332.7	13.4
30°-40°	420.8	16.9
40°-50°	453.3	18.2
50°-60°	421.4	16.9
60°-70°	332.7	13.4
70°-80°	197.0	7.9
80°-90°	49.9	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°	612.1	24.6
0°-40°	1032.9	41.5
0°-60°	1907.5	76.7
0°-90°	2487.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2487.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	738	738	738	738	738	
5°	738	737	738	741	742	70
15°	727	730	737	747	751	206
25°	702	706	721	735	742	324
35°	654	660	673	686	692	410
45°	578	581	585	594	600	447
55°	473	468	467	473	480	424
65°	340	331	330	342	350	338
75°	189	181	180	193	201	201
85°	48	43	39	40	41	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	738.1	738.1	738.1	738.1	738.1
2.5°	738.1	738.1	736.7	738.1	739.4
5°	738.1	736.7	738.1	740.7	742.1
7.5°	736.7	736.7	738.1	740.7	743.4
10°	734.1	734.1	738.1	743.4	746.1
12.5°	731.4	732.8	738.1	744.7	748.7
15°	727.4	730.1	736.7	747.4	751.4
17.5°	722.1	726.1	735.4	746.1	751.4
20°	716.8	720.8	731.4	744.7	750.0
22.5°	708.8	714.1	727.4	740.7	747.4
25°	702.2	706.2	720.8	735.4	742.1
27.5°	692.9	698.2	712.8	727.4	734.1
30°	680.9	687.5	700.8	715.5	722.1
32.5°	668.9	674.2	688.9	702.2	707.5
35°	654.3	659.6	672.9	686.2	691.5
37.5°	638.3	643.7	654.3	666.3	671.6
40°	622.4	625.0	635.7	645.0	650.3
42.5°	602.4	603.8	611.7	622.4	626.4
45°	578.5	581.1	585.1	594.4	599.8
47.5°	557.2	555.9	558.5	567.9	571.8
50°	531.9	528.0	530.6	537.3	543.9
52.5°	504.0	498.7	500.0	505.3	510.7
55°	473.4	468.1	466.8	473.4	480.1
57.5°	444.2	437.5	433.5	441.5	446.8
60°	410.9	402.9	400.3	409.6	414.9
62.5°	377.7	368.4	364.4	375.0	383.0
65°	340.4	331.1	329.8	341.8	349.8
67.5°	305.9	296.6	292.6	303.2	313.8
70°	268.6	256.7	254.0	268.6	277.9
72.5°	230.1	219.4	216.8	232.7	240.7
75°	188.8	180.9	179.5	192.8	200.8
77.5°	152.9	141.0	141.0	154.3	159.6
80°	113.0	105.1	102.4	113.0	118.4
82.5°	77.1	71.8	69.2	73.1	79.8
85°	47.9	42.6	38.6	39.9	41.2
87.5°	21.3	17.3	13.3	10.6	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)