

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: P189127

Luminaire Tested: **DRI-WS-1L35-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34844)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-1L35-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

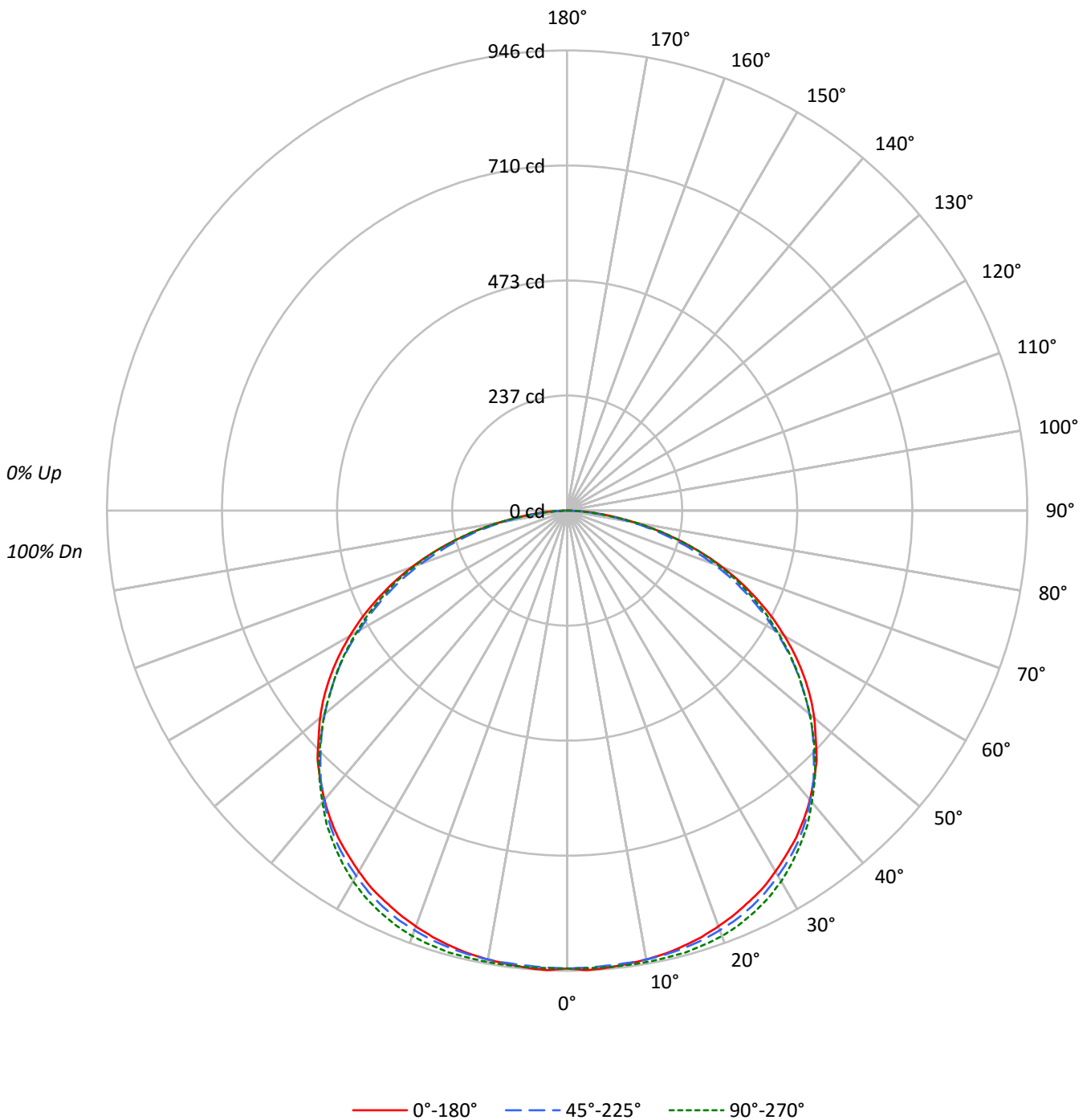
Lumens per Lamp: N/A
Luminaire Lumens: 3078.1 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 23.1
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	87	76	69	62	73	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	68	59	52	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		50	44	38		49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34		46	39	34		44	38	33	31
8	59	45	37	31	57	45	36	30	43	36	30		42	35	30		41	34	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°	1475	1475	1475
5°	1484	1478	1483
10°	1491	1491	1500
15°	1503	1510	1526
20°	1517	1531	1552
25°	1533	1553	1575
30°	1550	1570	1593
35°	1570	1586	1601
40°	1588	1590	1601
45°	1608	1589	1599
50°	1617	1586	1588
55°	1624	1575	1578
60°	1618	1548	1565
65°	1596	1518	1553
70°	1556	1464	1527
75°	1461	1370	1461
80°	1270	1184	1270
85°	1027	876	894



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	2.9
10°-20°	263.3	8.6
20°-30°	413.9	13.4
30°-40°	517.9	16.8
40°-50°	555.3	18.0
50°-60°	518.5	16.8
60°-70°	412.3	13.4
70°-80°	246.0	8.0
80°-90°	61.3	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°	766.9	24.9
0°-40°	1284.7	41.7
0°-60°	2358.6	76.6
0°-90°	3078.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3078.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	944	939	939	938	942	90
15°	926	926	931	935	940	262
25°	886	887	898	905	911	409
35°	821	822	829	834	837	513
45°	726	720	717	720	721	558
55°	594	585	576	575	578	530
65°	430	420	409	416	419	426
75°	241	230	226	237	241	254
85°	57	51	49	49	50	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	941.4	941.4	941.4	941.4	941.4
2.5°	945.6	940.3	940.3	938.2	941.4
5°	943.5	939.2	939.2	938.2	942.4
7.5°	940.3	937.1	938.2	938.2	942.4
10°	937.1	935.0	937.1	938.2	942.4
12.5°	932.9	929.7	935.0	937.1	941.4
15°	926.5	925.5	930.8	935.0	940.3
17.5°	919.1	918.1	925.5	930.8	936.1
20°	909.6	909.6	918.1	924.4	930.8
22.5°	899.0	900.1	909.6	917.0	922.3
25°	886.3	887.4	898.0	905.4	910.7
27.5°	873.7	873.7	884.2	891.6	896.9
30°	856.7	858.8	867.3	874.7	880.0
32.5°	838.8	840.9	849.3	855.7	859.9
35°	820.8	821.8	829.2	833.5	836.6
37.5°	799.6	799.6	804.9	808.1	812.3
40°	776.3	775.3	777.4	780.6	782.7
42.5°	751.0	748.8	749.9	753.1	753.1
45°	725.6	720.3	717.1	720.3	721.3
47.5°	692.8	690.7	685.4	686.4	686.4
50°	663.2	655.8	650.5	649.4	651.5
52.5°	630.4	621.9	613.5	612.4	613.5
55°	594.4	584.9	576.4	575.4	577.5
57.5°	556.3	546.8	537.3	538.4	539.4
60°	516.2	504.5	493.9	497.1	499.2
62.5°	474.9	463.3	452.7	455.9	461.2
65°	430.5	419.9	409.3	415.7	418.8
67.5°	386.1	374.4	366.0	373.4	378.7
70°	339.5	326.8	319.4	328.9	333.2
72.5°	290.9	281.3	271.8	284.5	289.8
75°	241.2	229.5	226.3	236.9	241.2
77.5°	192.5	181.9	178.8	188.3	193.6
80°	140.7	134.3	131.2	137.5	140.7
82.5°	95.2	87.8	86.7	89.9	92.0
85°	57.1	50.8	48.7	48.7	49.7
87.5°	24.3	21.2	15.9	14.8	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)