

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: P189150

Luminaire Tested: **DRI-WD-1L40-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34833)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WD-1L40-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

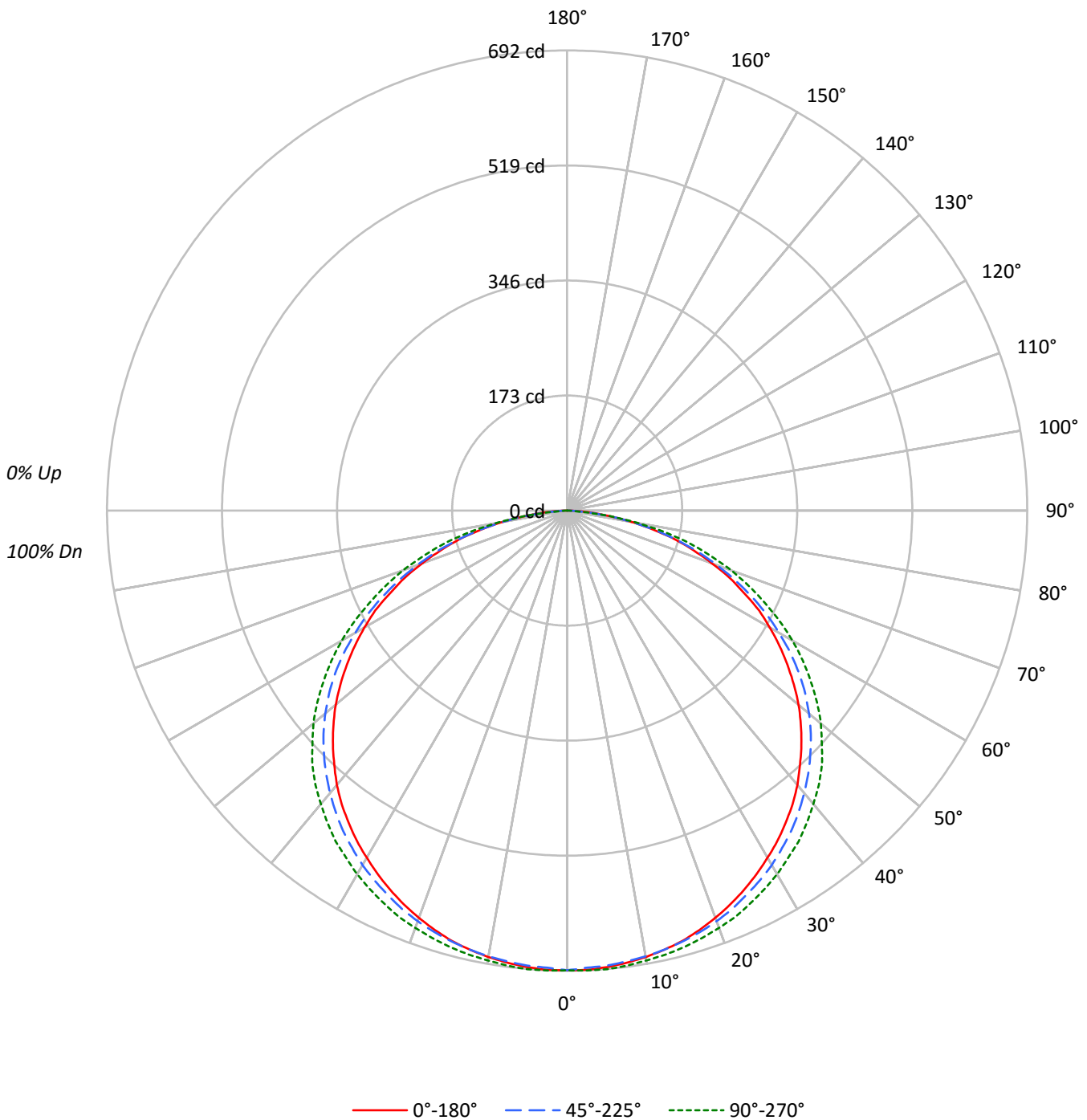
Lumens per Lamp: N/A
Luminaire Lumens: 2229.8 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.46
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	51	62	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	42	38	36
7	63	50	40	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	39	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°	2026	2026	2026
5°	2027	2021	2036
10°	2028	2025	2044
15°	2032	2035	2061
20°	2032	2049	2082
25°	2035	2062	2107
30°	2039	2082	2137
35°	2049	2103	2171
40°	2060	2122	2204
45°	2064	2144	2245
50°	2071	2164	2271
55°	2065	2174	2283
60°	2063	2157	2294
65°	2034	2123	2271
70°	1983	2056	2248
75°	1908	1932	2162
80°	1655	1655	1817
85°	1220	1039	716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	2.9
10°-20°	190.2	8.5
20°-30°	295.3	13.2
30°-40°	368.6	16.5
40°-50°	400.3	18.0
50°-60°	380.3	17.1
60°-70°	305.2	13.7
70°-80°	183.4	8.2
80°-90°	41.0	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°	551.1	24.7
0°-40°	919.7	41.2
0°-60°	1700.3	76.3
0°-90°	2229.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2229.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	691	691	691	691	691	
5°	689	689	687	690	692	66
15°	670	670	671	677	680	189
25°	629	633	638	649	652	290
35°	573	577	588	601	607	359
45°	498	505	517	534	542	384
55°	404	412	426	441	447	362
65°	293	298	306	321	328	291
75°	168	168	171	184	191	175
85°	36	34	31	26	21	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	691.3	691.3	691.3	691.3	691.3
2.5°	691.3	691.3	688.1	692.3	692.3
5°	689.1	689.1	687.0	690.2	692.3
7.5°	685.9	685.9	683.8	688.1	690.2
10°	681.7	681.7	680.6	684.9	687.0
12.5°	676.3	677.4	676.3	681.7	683.8
15°	669.9	669.9	671.0	677.4	679.5
17.5°	661.4	662.5	664.6	671.0	674.2
20°	651.8	653.9	657.1	664.6	667.8
22.5°	641.1	644.3	648.6	657.1	661.4
25°	629.4	632.6	637.9	648.6	651.8
27.5°	616.6	620.9	627.3	637.9	642.2
30°	602.7	607.0	615.5	626.2	631.5
32.5°	588.9	593.1	601.7	613.4	618.7
35°	572.9	577.1	587.8	600.6	607.0
37.5°	556.9	561.1	571.8	585.7	592.1
40°	538.7	544.1	554.7	569.7	576.1
42.5°	518.4	523.8	536.6	553.7	560.1
45°	498.2	504.6	517.4	534.4	541.9
47.5°	476.8	483.2	497.1	514.2	519.5
50°	454.4	460.8	474.7	491.8	498.2
52.5°	429.9	438.4	451.2	467.2	473.6
55°	404.3	411.8	425.6	440.6	447.0
57.5°	378.7	385.1	397.9	412.8	420.3
60°	352.0	356.3	368.0	383.0	391.5
62.5°	325.4	328.6	338.2	352.0	360.6
65°	293.4	297.6	306.2	321.1	327.5
67.5°	264.6	266.7	273.1	288.0	295.5
70°	231.5	234.7	240.0	252.8	262.4
72.5°	199.5	201.6	205.9	217.6	226.2
75°	168.5	168.5	170.7	183.5	191.0
77.5°	132.3	133.3	134.4	145.1	150.4
80°	98.1	98.1	98.1	102.4	107.7
82.5°	65.1	64.0	62.9	64.0	66.1
85°	36.3	34.1	30.9	25.6	21.3
87.5°	12.8	10.7	4.3	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)