

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: P189151

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189151
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-2L40-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: 3376.0 lumens
Efficiency: N/A
Efficacy: 138.9 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

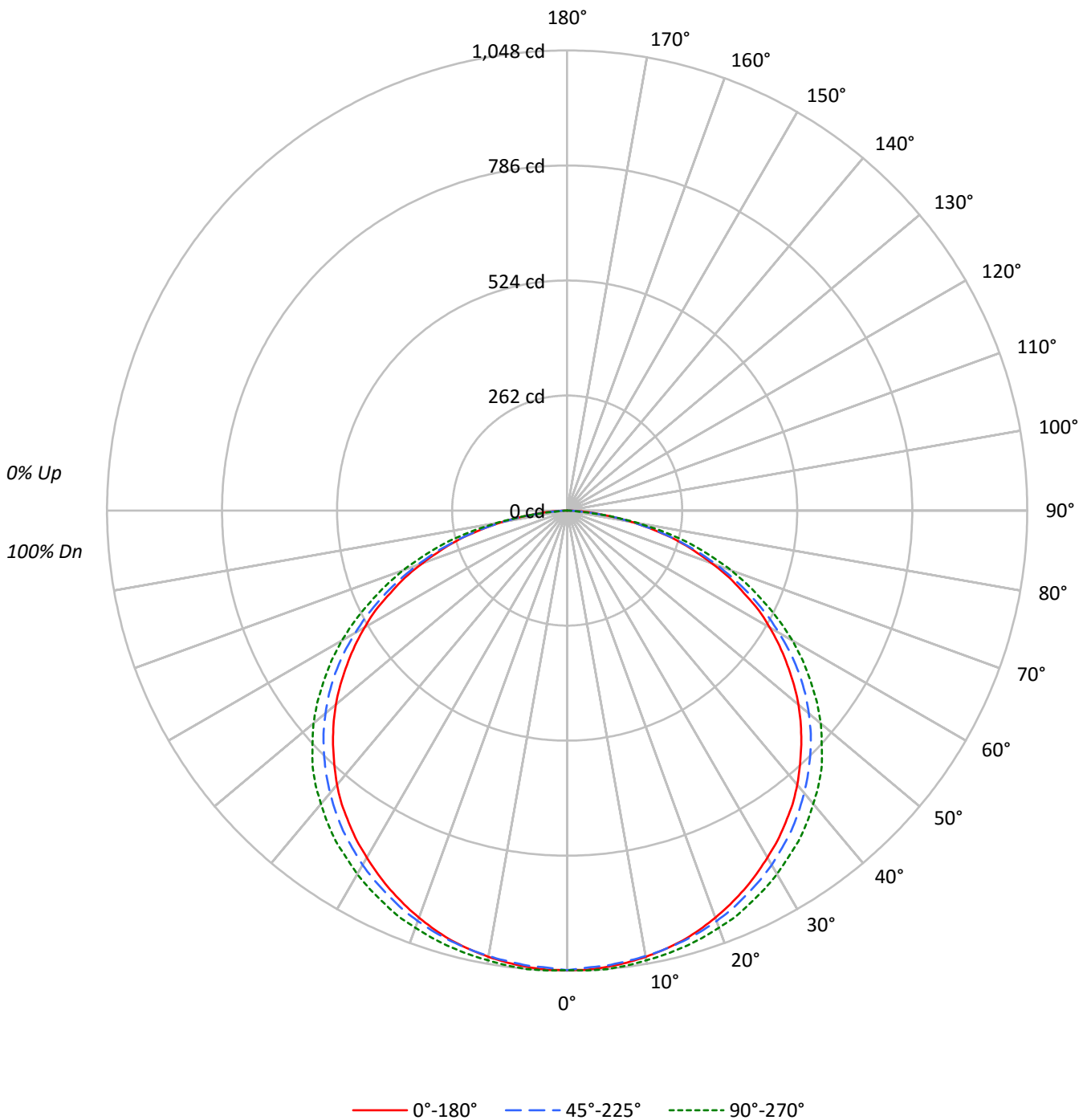
Input Watts (W): 24.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	90		93	90	87		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°	3067	3067	3067
5°	3069	3059	3083
10°	3070	3066	3095
15°	3077	3082	3121
20°	3077	3102	3152
25°	3081	3122	3190
30°	3087	3153	3235
35°	3102	3183	3287
40°	3120	3212	3336
45°	3125	3246	3400
50°	3136	3276	3438
55°	3127	3292	3457
60°	3123	3265	3473
65°	3079	3214	3437
70°	3003	3113	3404
75°	2889	2925	3273
80°	2507	2507	2752
85°	1846	1573	1086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	2.9
10°-20°	288.0	8.5
20°-30°	447.1	13.2
30°-40°	558.0	16.5
40°-50°	606.0	18.0
50°-60°	575.8	17.1
60°-70°	462.0	13.7
70°-80°	277.7	8.2
80°-90°	62.0	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°	834.4	24.7
0°-40°	1392.4	41.2
0°-60°	2574.2	76.3
0°-90°	3376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1047	1047	1047	1047	1047	
5°	1043	1043	1040	1045	1048	99
15°	1014	1014	1016	1026	1029	286
25°	953	958	966	982	987	439
35°	867	874	890	909	919	543
45°	754	764	783	809	820	582
55°	612	623	644	667	677	547
65°	444	451	464	486	496	440
75°	255	255	258	278	289	266
85°	55	52	47	39	32	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1046.6	1046.6	1046.6	1046.6	1046.6
2.5°	1046.6	1046.6	1041.7	1048.2	1048.2
5°	1043.3	1043.3	1040.1	1044.9	1048.2
7.5°	1038.5	1038.5	1035.3	1041.7	1044.9
10°	1032.0	1032.0	1030.4	1036.9	1040.1
12.5°	1023.9	1025.6	1023.9	1032.0	1035.3
15°	1014.3	1014.3	1015.9	1025.6	1028.8
17.5°	1001.3	1003.0	1006.2	1015.9	1020.7
20°	986.8	990.0	994.9	1006.2	1011.0
22.5°	970.7	975.5	982.0	994.9	1001.3
25°	952.9	957.7	965.8	982.0	986.8
27.5°	933.5	940.0	949.7	965.8	972.3
30°	912.5	919.0	931.9	948.0	956.1
32.5°	891.5	898.0	910.9	928.7	936.7
35°	867.3	873.7	889.9	909.3	919.0
37.5°	843.1	849.5	865.7	886.7	896.4
40°	815.6	823.7	839.8	862.4	872.1
42.5°	784.9	793.0	812.4	838.2	847.9
45°	754.2	763.9	783.3	809.1	820.5
47.5°	721.9	731.6	752.6	778.5	786.5
50°	688.0	697.7	718.7	744.5	754.2
52.5°	650.9	663.8	683.2	707.4	717.1
55°	612.1	623.4	644.4	667.0	676.7
57.5°	573.3	583.0	602.4	625.0	636.3
60°	533.0	539.4	557.2	579.8	592.7
62.5°	492.6	497.4	512.0	533.0	545.9
65°	444.1	450.6	463.5	486.1	495.8
67.5°	400.5	403.8	413.5	436.1	447.4
70°	350.5	355.3	363.4	382.8	397.3
72.5°	302.0	305.2	311.7	329.5	342.4
75°	255.2	255.2	258.4	277.8	289.1
77.5°	200.3	201.9	203.5	219.6	227.7
80°	148.6	148.6	148.6	155.0	163.1
82.5°	98.5	96.9	95.3	96.9	100.1
85°	54.9	51.7	46.8	38.8	32.3
87.5°	19.4	16.2	6.5	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)