

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: P189168

Luminaire Tested: **DRI-WS-3L40-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34838)
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-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4326.7 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.39 / 1.48
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

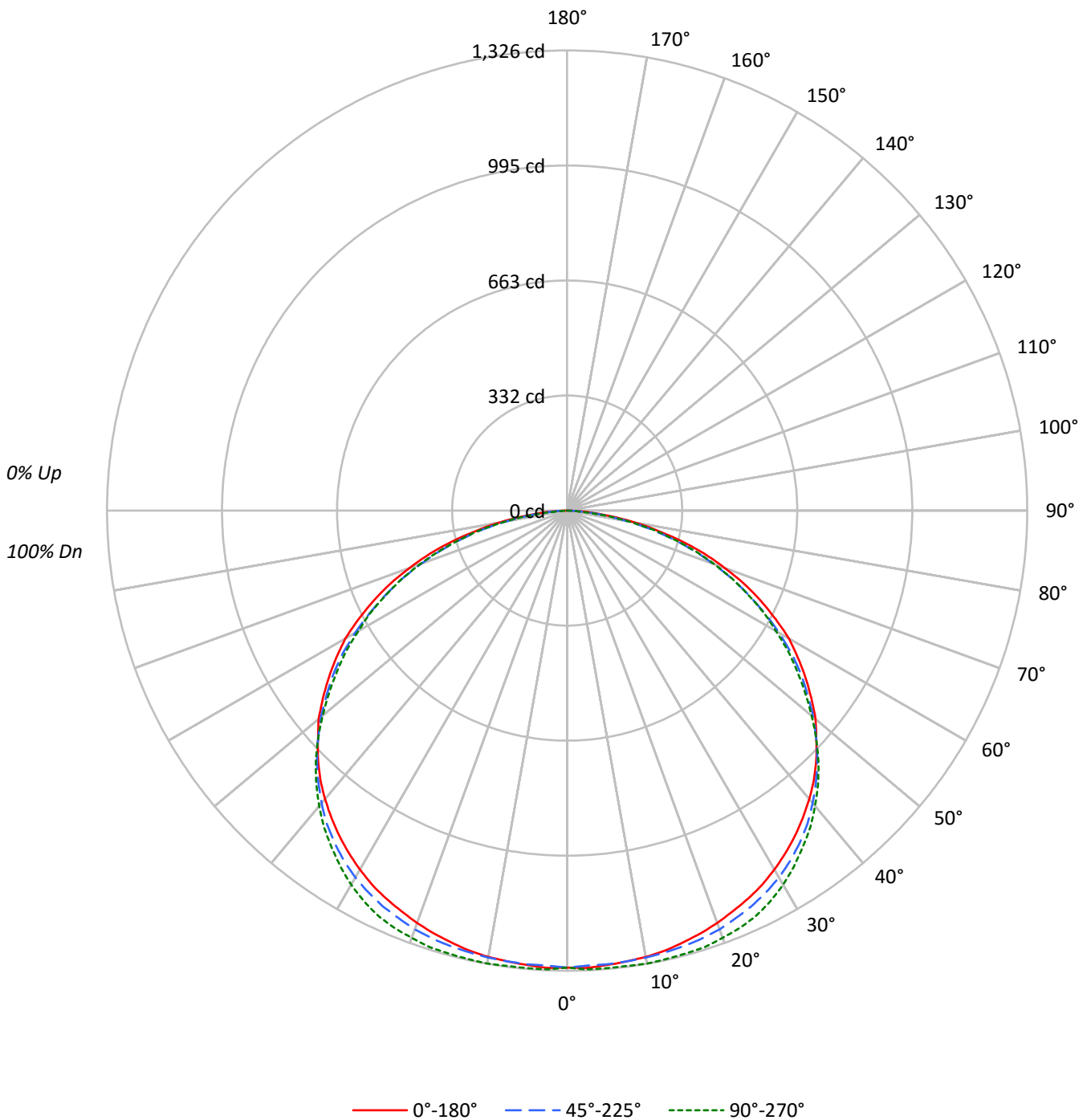
Input Watts (W): 33.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P189168

CATALOG NUMBER: DRI-WS-3L40-UNV-14-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189168

CATALOG NUMBER: DRI-WS-3L40-UNV-14-T1-STD

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	94	91		93	90	88		89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	78	70	63	87	77	69	62	74	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	68	59	53	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		51	44	38		49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34		46	39	34		44	38	34	31
8	59	45	37	31	58	45	36	30	43	36	30		42	35	30		41	35	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°	3858	3858	3858
5°	3867	3860	3892
10°	3885	3892	3944
15°	3908	3941	4008
20°	3943	4004	4085
25°	3989	4066	4165
30°	4041	4130	4211
35°	4093	4179	4234
40°	4151	4210	4251
45°	4208	4226	4244
50°	4260	4221	4191
55°	4283	4206	4139
60°	4325	4133	4069
65°	4269	4012	3997
70°	4134	3835	3872
75°	3881	3536	3584
80°	3353	2948	2985
85°	2495	2054	1395



TEST NUMBER: P189168

CATALOG NUMBER: DRI-WS-3L40-UNV-14-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	2.9
10°-20°	368.7	8.5
20°-30°	581.3	13.4
30°-40°	730.4	16.9
40°-50°	786.9	18.2
50°-60°	736.4	17.0
60°-70°	582.3	13.5
70°-80°	338.6	7.8
80°-90°	76.5	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°	1075.6	24.9
0°-40°	1806.0	41.7
0°-60°	3329.3	76.9
0°-90°	4326.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4326.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1317	1317	1317	1317	1317	
5°	1315	1317	1312	1321	1323	125
15°	1288	1293	1299	1315	1321	364
25°	1234	1242	1258	1280	1288	569
35°	1144	1155	1168	1181	1184	716
45°	1015	1020	1020	1022	1024	783
55°	838	838	823	814	810	750
65°	616	605	579	579	576	608
75°	343	328	312	317	317	360
85°	74	68	61	50	42	92
90°	0	0	0	0	0	



TEST NUMBER: P189168

CATALOG NUMBER: DRI-WS-3L40-UNV-14-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1316.8	1316.8	1316.8	1316.8	1316.8
2.5°	1319.0	1316.8	1312.4	1321.2	1323.3
5°	1314.6	1316.8	1312.4	1321.2	1323.3
7.5°	1310.2	1312.4	1310.2	1321.2	1323.3
10°	1305.9	1308.0	1308.0	1321.2	1325.5
12.5°	1299.3	1301.5	1303.7	1319.0	1323.3
15°	1288.4	1292.8	1299.3	1314.6	1321.2
17.5°	1277.5	1284.0	1292.8	1312.4	1319.0
20°	1264.4	1270.9	1284.0	1303.7	1310.2
22.5°	1249.1	1257.8	1270.9	1292.8	1301.5
25°	1233.8	1242.5	1257.8	1279.7	1288.4
27.5°	1216.3	1225.1	1240.4	1262.2	1268.7
30°	1194.5	1205.4	1220.7	1240.4	1244.7
32.5°	1170.5	1181.4	1196.7	1212.0	1216.3
35°	1144.3	1155.2	1168.3	1181.4	1183.6
37.5°	1115.9	1126.8	1137.7	1146.5	1150.8
40°	1085.3	1094.0	1100.6	1109.3	1111.5
42.5°	1052.6	1059.1	1061.3	1070.0	1070.0
45°	1015.4	1019.8	1019.8	1022.0	1024.2
47.5°	973.9	980.5	973.9	976.1	973.9
50°	934.6	934.6	925.9	923.7	919.3
52.5°	886.6	886.6	873.5	869.1	864.8
55°	838.5	838.5	823.3	814.5	810.2
57.5°	788.3	784.0	766.5	757.8	755.6
60°	738.1	727.2	705.3	698.8	694.4
62.5°	677.0	668.2	642.0	639.8	639.8
65°	615.8	604.9	578.7	578.7	576.5
67.5°	552.5	539.4	515.4	515.4	515.4
70°	482.6	469.5	447.7	449.8	452.0
72.5°	414.9	399.6	380.0	382.2	384.3
75°	342.8	327.6	312.3	316.6	316.6
77.5°	266.4	257.7	244.6	246.8	251.1
80°	198.7	187.8	174.7	179.1	176.9
82.5°	131.0	120.1	113.6	111.4	111.4
85°	74.2	67.7	61.1	50.2	41.5
87.5°	32.8	24.0	8.7	6.6	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)