

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: P189175

Luminaire Tested: **DRI-WS-5L40-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189175
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-5L40-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (168) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

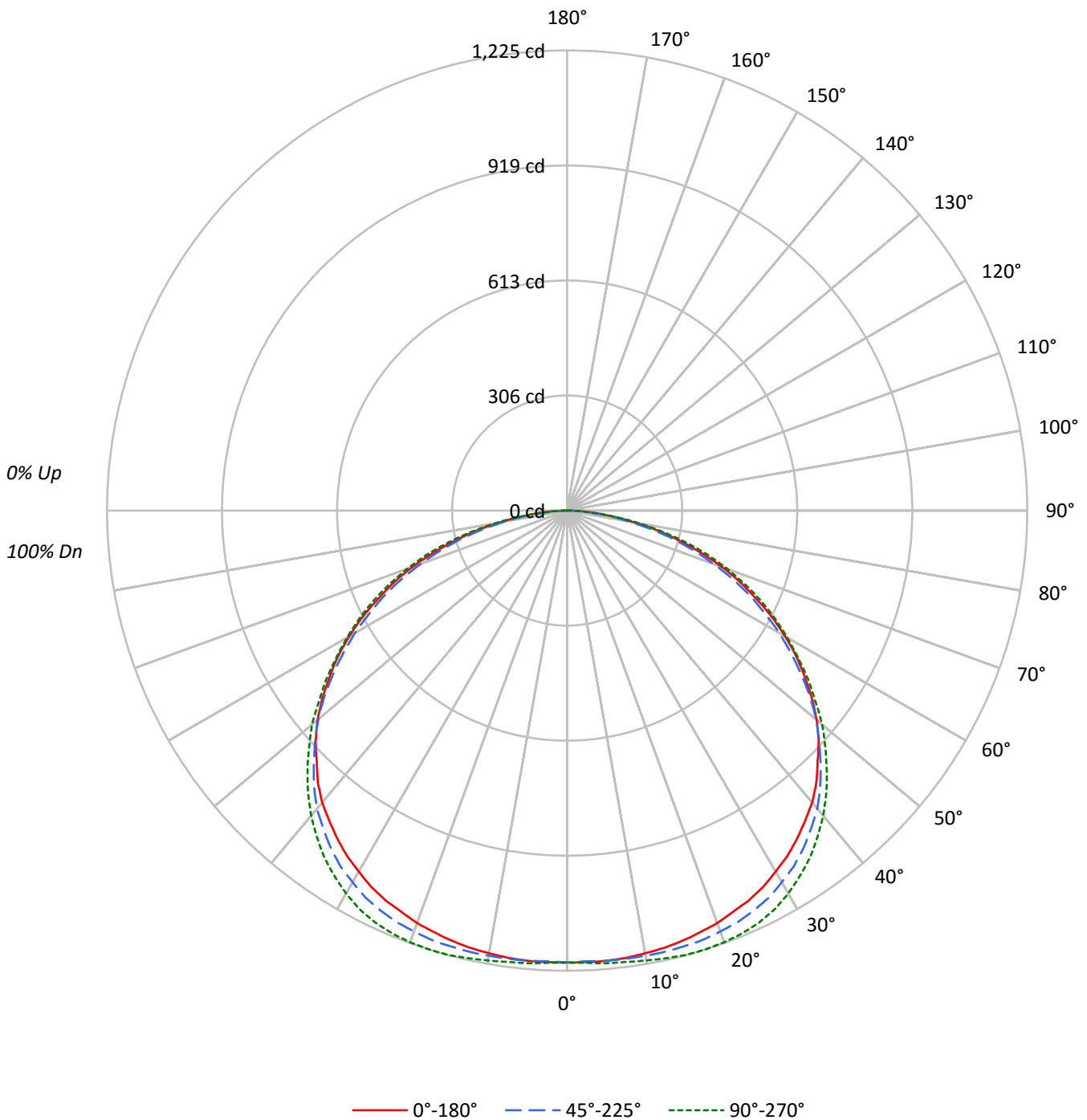
Lumens per Lamp: N/A
Luminaire Lumens: 4054.2 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 33.9
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°	4034	4034	4034
5°	4050	4050	4071
10°	4074	4096	4141
15°	4116	4169	4251
20°	4169	4254	4363
25°	4234	4347	4475
30°	4297	4423	4558
35°	4366	4490	4614
40°	4441	4536	4640
45°	4471	4523	4636
50°	4523	4512	4625
55°	4511	4448	4575
60°	4492	4376	4535
65°	4403	4265	4523
70°	4293	4059	4441
75°	3988	3791	4240
80°	3559	3223	3725
85°	3001	2420	2585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	2.8
10°-20°	340.5	8.4
20°-30°	542.3	13.4
30°-40°	685.9	16.9
40°-50°	738.8	18.2
50°-60°	686.9	16.9
60°-70°	542.3	13.4
70°-80°	321.2	7.9
80°-90°	81.4	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°	997.8	24.6
0°-40°	1683.7	41.5
0°-60°	3109.4	76.7
0°-90°	4054.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4054.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1203	1203	1203	1203	1203	
5°	1203	1201	1203	1207	1210	115
15°	1186	1190	1201	1218	1225	335
25°	1144	1151	1175	1199	1210	528
35°	1066	1075	1097	1118	1127	668
45°	943	947	954	969	978	729
55°	772	763	761	772	782	690
65°	555	540	538	557	570	550
75°	308	295	293	314	327	328
85°	78	69	63	65	67	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1203.1	1203.1	1203.1	1203.1	1203.1
2.5°	1203.1	1203.1	1200.9	1203.1	1205.2
5°	1203.1	1200.9	1203.1	1207.4	1209.6
7.5°	1200.9	1200.9	1203.1	1207.4	1211.7
10°	1196.6	1196.6	1203.1	1211.7	1216.1
12.5°	1192.2	1194.4	1203.1	1213.9	1220.4
15°	1185.7	1190.1	1200.9	1218.2	1224.7
17.5°	1177.1	1183.6	1198.7	1216.1	1224.7
20°	1168.4	1174.9	1192.2	1213.9	1222.6
22.5°	1155.4	1164.1	1185.7	1207.4	1218.2
25°	1144.5	1151.0	1174.9	1198.7	1209.6
27.5°	1129.4	1138.0	1161.9	1185.7	1196.6
30°	1109.9	1120.7	1142.4	1166.2	1177.1
32.5°	1090.4	1099.0	1122.9	1144.5	1153.2
35°	1066.5	1075.2	1096.9	1118.5	1127.2
37.5°	1040.5	1049.2	1066.5	1086.0	1094.7
40°	1014.5	1018.8	1036.2	1051.3	1060.0
42.5°	982.0	984.1	997.1	1014.5	1021.0
45°	942.9	947.3	953.8	969.0	977.6
47.5°	908.3	906.1	910.4	925.6	932.1
50°	867.1	860.6	864.9	875.7	886.6
52.5°	821.6	812.9	815.1	823.7	832.4
55°	771.7	763.0	760.9	771.7	782.5
57.5°	724.0	713.2	706.7	719.7	728.3
60°	669.8	656.8	652.5	667.7	676.3
62.5°	615.6	600.5	593.9	611.3	624.3
65°	554.9	539.8	537.6	557.1	570.1
67.5°	498.6	483.4	476.9	494.2	511.6
70°	437.9	418.4	414.0	437.9	453.0
72.5°	375.0	357.7	353.3	379.3	392.4
75°	307.8	294.8	292.6	314.3	327.3
77.5°	249.3	229.8	229.8	251.5	260.1
80°	184.3	171.2	166.9	184.3	192.9
82.5°	125.7	117.1	112.7	119.2	130.1
85°	78.0	69.4	62.9	65.0	67.2
87.5°	34.7	28.2	21.7	17.3	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)