

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: P189128

Luminaire Tested: **DRI-WS-2L35-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189128
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-2L35-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

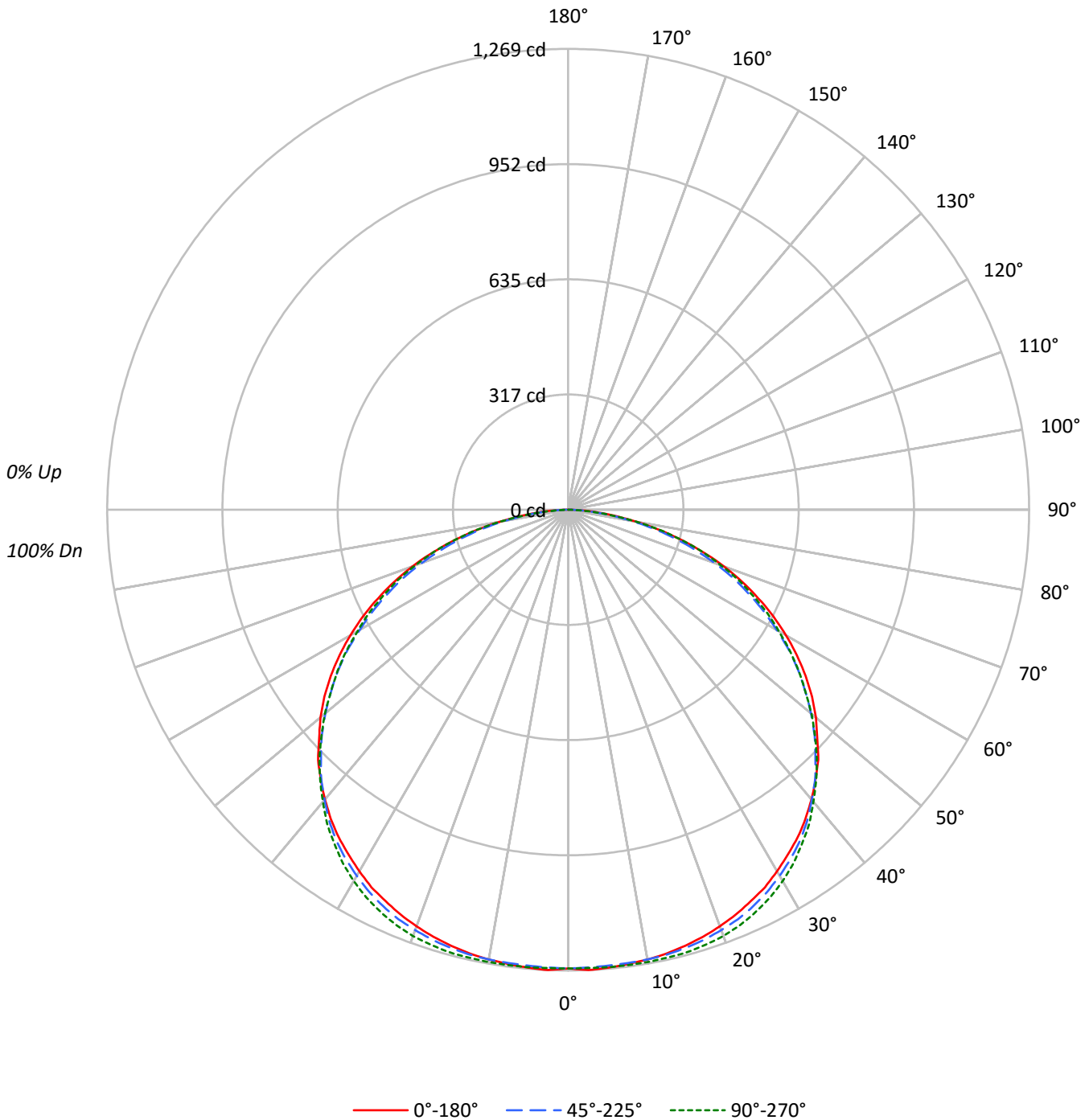
Lumens per Lamp: N/A
Luminaire Lumens: 4130.7 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 31.3
Input Voltage (V): NR
Input Current (A_{in}): 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°	1980	1980	1980
5°	1992	1983	1990
10°	2001	2001	2013
15°	2017	2027	2047
20°	2036	2055	2083
25°	2057	2084	2113
30°	2081	2106	2137
35°	2107	2129	2148
40°	2131	2134	2149
45°	2158	2133	2145
50°	2170	2128	2132
55°	2180	2114	2118
60°	2171	2078	2100
65°	2142	2037	2085
70°	2088	1964	2049
75°	1960	1839	1960
80°	1704	1588	1704
85°	1377	1174	1199



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	2.9
10°-20°	353.3	8.6
20°-30°	555.5	13.4
30°-40°	695.0	16.8
40°-50°	745.2	18.0
50°-60°	695.9	16.8
60°-70°	553.3	13.4
70°-80°	330.1	8.0
80°-90°	82.2	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°	1029.1	24.9
0°-40°	1724.1	41.7
0°-60°	3165.2	76.6
0°-90°	4130.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4130.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1263	1263	1263	1263	1263	
5°	1266	1260	1260	1259	1265	121
15°	1243	1242	1249	1255	1262	352
25°	1189	1191	1205	1215	1222	549
35°	1101	1103	1113	1118	1123	689
45°	974	967	962	967	968	749
55°	798	785	774	772	775	712
65°	578	564	549	558	562	571
75°	324	308	304	318	324	341
85°	77	68	65	65	67	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1263.3	1263.3	1263.3	1263.3	1263.3
2.5°	1268.9	1261.8	1261.8	1259.0	1263.3
5°	1266.1	1260.4	1260.4	1259.0	1264.7
7.5°	1261.8	1257.6	1259.0	1259.0	1264.7
10°	1257.6	1254.7	1257.6	1259.0	1264.7
12.5°	1251.9	1247.6	1254.7	1257.6	1263.3
15°	1243.4	1242.0	1249.1	1254.7	1261.8
17.5°	1233.4	1232.0	1242.0	1249.1	1256.2
20°	1220.7	1220.7	1232.0	1240.5	1249.1
22.5°	1206.5	1207.9	1220.7	1230.6	1237.7
25°	1189.4	1190.9	1205.1	1215.0	1222.1
27.5°	1172.4	1172.4	1186.6	1196.5	1203.6
30°	1149.7	1152.5	1163.9	1173.8	1180.9
32.5°	1125.6	1128.4	1139.8	1148.3	1154.0
35°	1101.4	1102.9	1112.8	1118.5	1122.7
37.5°	1073.1	1073.1	1080.2	1084.4	1090.1
40°	1041.8	1040.4	1043.2	1047.5	1050.3
42.5°	1007.8	1004.9	1006.3	1010.6	1010.6
45°	973.7	966.6	962.3	966.6	968.0
47.5°	929.7	926.9	919.8	921.2	921.2
50°	890.0	880.0	872.9	871.5	874.3
52.5°	846.0	834.6	823.2	821.8	823.2
55°	797.7	784.9	773.6	772.1	775.0
57.5°	746.6	733.8	721.0	722.5	723.9
60°	692.7	677.0	662.9	667.1	669.9
62.5°	637.3	621.7	607.5	611.8	618.9
65°	577.7	563.5	549.3	557.8	562.1
67.5°	518.1	502.5	491.1	501.0	508.1
70°	455.6	438.6	428.7	441.4	447.1
72.5°	390.3	377.6	364.8	381.8	388.9
75°	323.6	308.0	303.7	317.9	323.6
77.5°	258.3	244.1	239.9	252.7	259.7
80°	188.8	180.3	176.0	184.5	188.8
82.5°	127.7	117.8	116.4	120.6	123.5
85°	76.6	68.1	65.3	65.3	66.7
87.5°	32.6	28.4	21.3	19.9	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)