

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: P383951

Luminaire Tested: **22ID-30-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-30-L835-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

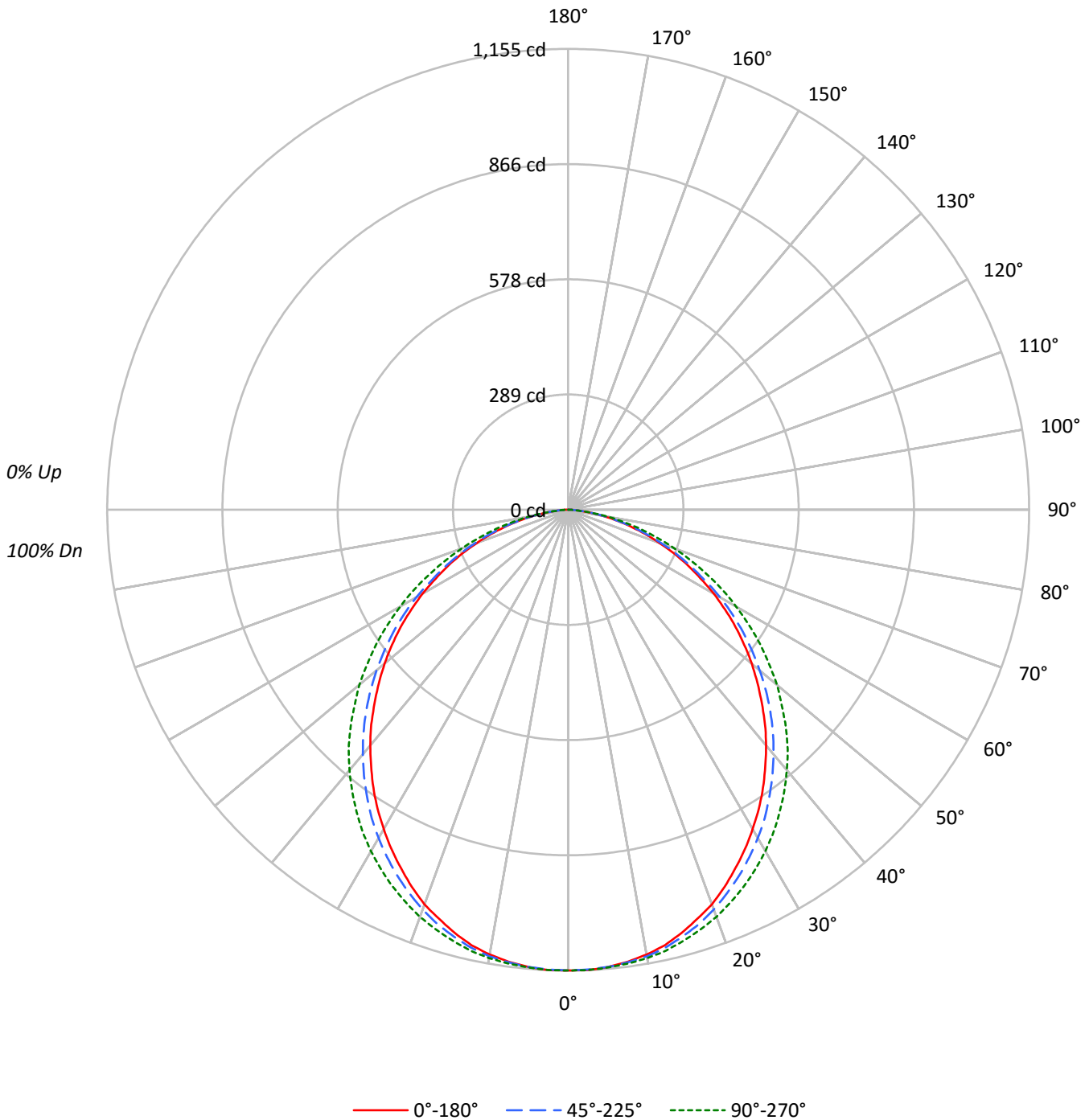
Lumens per Lamp: N/A
Luminaire Lumens: 3048.6 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.2
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	109	105	101	97	107	102	99	95	98	95	92		94	92	89		91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77		83	79	75		80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		53	47	42		52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3108	3108	3108
5°	3107	3107	3111
10°	3093	3105	3118
15°	3060	3085	3115
20°	3014	3054	3110
25°	2944	3007	3093
30°	2872	2953	3071
35°	2795	2886	3036
40°	2710	2812	2994
45°	2610	2726	2936
50°	2513	2622	2858
55°	2401	2509	2752
60°	2269	2368	2615
65°	2111	2179	2441
70°	1911	1983	2235
75°	1668	1731	1954
80°	1350	1373	1539
85°	803	895	753



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	3.6
10°-20°	312.5	10.2
20°-30°	467.4	15.3
30°-40°	552.2	18.1
40°-50°	557.2	18.3
50°-60°	483.9	15.9
60°-70°	347.0	11.4
70°-80°	180.8	5.9
80°-90°	38.2	1.3
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°	889.2	29.2
0°-40°	1441.5	47.3
0°-60°	2482.6	81.4
0°-90°	3048.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3048.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1155	1155	1155	1155	1155	
5°	1150	1149	1150	1150	1152	109
15°	1098	1100	1108	1115	1118	310
25°	991	998	1013	1033	1042	457
35°	851	857	878	910	924	532
45°	686	694	716	753	771	530
55°	512	516	535	570	587	457
65°	332	330	342	368	383	328
75°	160	159	166	179	188	171
85°	26	29	29	26	24	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1154.8	1153.3	1153.3	1153.3	1154.8
5°	1150.3	1148.7	1150.3	1150.3	1151.8
7.5°	1142.6	1141.1	1144.2	1145.7	1147.2
10°	1131.9	1131.9	1136.5	1139.6	1141.1
12.5°	1118.2	1118.2	1124.3	1128.9	1131.9
15°	1098.3	1099.9	1107.5	1115.1	1118.2
17.5°	1075.4	1080.0	1089.2	1099.9	1102.9
20°	1052.5	1055.6	1066.3	1080.0	1086.1
22.5°	1023.5	1028.1	1040.3	1058.6	1064.7
25°	991.4	997.5	1012.8	1032.6	1041.8
27.5°	959.3	963.9	982.2	1005.1	1015.8
30°	924.2	930.3	950.2	976.1	988.3
32.5°	889.1	893.6	916.5	944.0	957.8
35°	850.9	857.0	878.4	910.4	924.2
37.5°	811.1	818.8	840.2	873.8	889.1
40°	771.4	776.0	800.5	834.1	852.4
42.5°	730.2	736.3	759.2	795.9	814.2
45°	685.9	693.5	716.4	753.1	771.4
47.5°	643.1	650.7	672.1	708.8	725.6
50°	600.3	604.9	626.3	663.0	682.8
52.5°	556.0	560.6	580.5	615.6	633.9
55°	511.7	516.3	534.7	569.8	586.6
57.5°	465.9	469.0	487.3	519.4	536.2
60°	421.6	423.1	439.9	469.0	485.8
62.5°	374.3	375.8	388.0	421.6	436.9
65°	331.5	330.0	342.2	368.1	383.4
67.5°	287.2	287.2	297.9	320.8	333.0
70°	242.9	242.9	252.1	271.9	284.1
72.5°	201.6	201.6	209.3	224.6	233.7
75°	160.4	158.9	166.5	178.7	187.9
77.5°	122.2	122.2	125.3	136.0	142.1
80°	87.1	87.1	88.6	94.7	99.3
82.5°	55.0	55.0	55.0	58.0	59.6
85°	26.0	29.0	29.0	26.0	24.4
87.5°	12.2	12.2	10.7	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)