

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: P384003

Luminaire Tested: **24ID-30-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384003
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: 24ID-30-L835-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

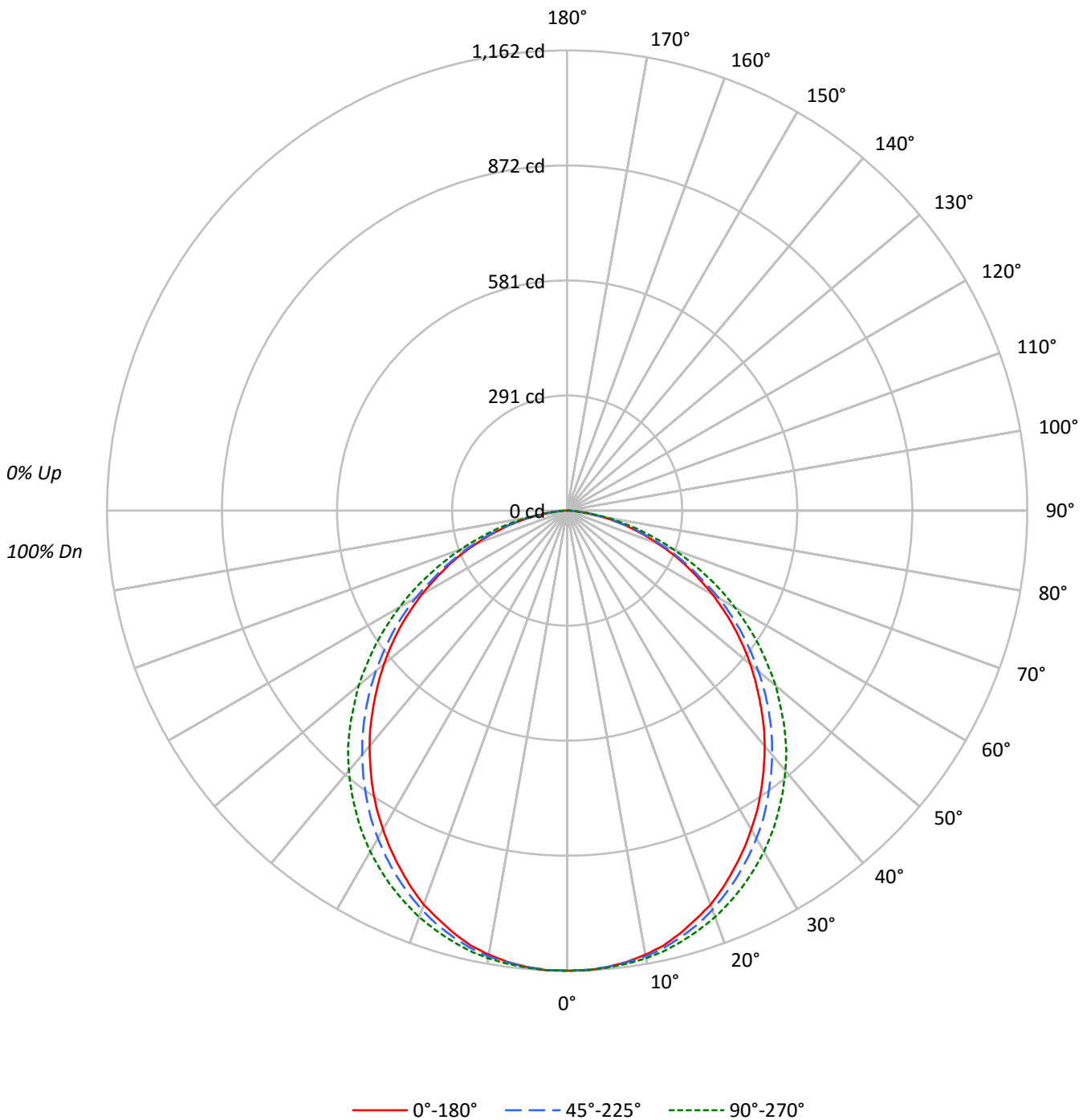
Lumens per Lamp: N/A
Luminaire Lumens: 3066.9 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.8
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	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°	1563	1563	1563
5°	1563	1563	1565
10°	1556	1562	1568
15°	1539	1552	1567
20°	1516	1536	1564
25°	1481	1513	1556
30°	1444	1485	1545
35°	1406	1451	1527
40°	1363	1414	1506
45°	1313	1371	1477
50°	1264	1319	1438
55°	1208	1262	1384
60°	1141	1191	1315
65°	1062	1096	1228
70°	961	998	1124
75°	839	871	983
80°	679	690	774
85°	403	451	380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	3.6
10°-20°	314.3	10.2
20°-30°	470.2	15.3
30°-40°	555.6	18.1
40°-50°	560.6	18.3
50°-60°	486.8	15.9
60°-70°	349.1	11.4
70°-80°	181.9	5.9
80°-90°	38.4	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°	894.6	29.2
0°-40°	1450.1	47.3
0°-60°	2497.6	81.4
0°-90°	3066.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3066.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1162	1162	1162	1162	1162	
5°	1157	1156	1157	1157	1159	110
15°	1105	1106	1114	1122	1125	311
25°	997	1004	1019	1039	1048	460
35°	856	862	884	916	930	535
45°	690	698	721	758	776	533
55°	515	519	538	573	590	460
65°	334	332	344	370	386	330
75°	161	160	168	180	189	172
85°	26	29	29	26	25	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1161.8	1161.8	1161.8	1161.8	1161.8
2.5°	1161.8	1160.2	1160.2	1160.2	1161.8
5°	1157.2	1155.6	1157.2	1157.2	1158.7
7.5°	1149.5	1148.0	1151.0	1152.6	1154.1
10°	1138.7	1138.7	1143.3	1146.4	1148.0
12.5°	1124.9	1124.9	1131.0	1135.7	1138.7
15°	1104.9	1106.5	1114.1	1121.8	1124.9
17.5°	1081.9	1086.5	1095.7	1106.5	1109.5
20°	1058.8	1061.9	1072.7	1086.5	1092.6
22.5°	1029.6	1034.2	1046.5	1065.0	1071.1
25°	997.4	1003.5	1018.9	1038.8	1048.1
27.5°	965.1	969.7	988.1	1011.2	1021.9
30°	929.7	935.9	955.9	982.0	994.3
32.5°	894.4	899.0	922.0	949.7	963.5
35°	856.0	862.1	883.6	915.9	929.7
37.5°	816.0	823.7	845.2	879.0	894.4
40°	776.1	780.7	805.3	839.1	857.5
42.5°	734.6	740.7	763.8	800.6	819.1
45°	690.0	697.7	720.7	757.6	776.1
47.5°	647.0	654.7	676.2	713.1	730.0
50°	603.9	608.6	630.1	666.9	686.9
52.5°	559.4	564.0	584.0	619.3	637.8
55°	514.8	519.4	537.9	573.2	590.1
57.5°	468.7	471.8	490.2	522.5	539.4
60°	424.1	425.7	442.6	471.8	488.7
62.5°	376.5	378.0	390.3	424.1	439.5
65°	333.5	331.9	344.2	370.4	385.7
67.5°	288.9	288.9	299.7	322.7	335.0
70°	244.3	244.3	253.6	273.5	285.8
72.5°	202.9	202.9	210.5	225.9	235.1
75°	161.4	159.8	167.5	179.8	189.0
77.5°	122.9	122.9	126.0	136.8	142.9
80°	87.6	87.6	89.1	95.3	99.9
82.5°	55.3	55.3	55.3	58.4	59.9
85°	26.1	29.2	29.2	26.1	24.6
87.5°	12.3	12.3	10.8	10.8	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)