

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: P383839

Luminaire Tested: **24ID-35-L835-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383839  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24ID-35-L835-CFR1  
Description: 2X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

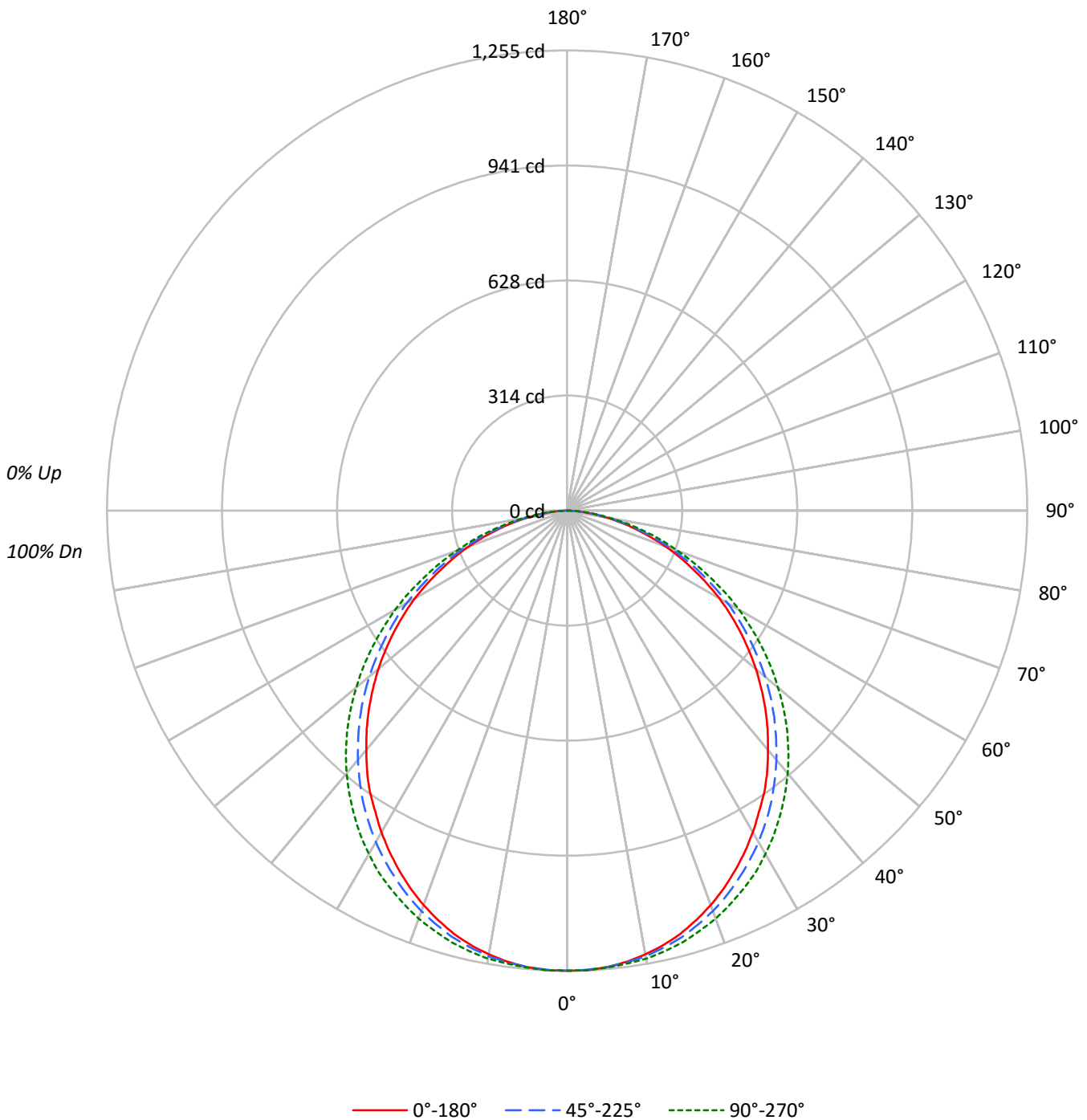
Lumens per Lamp: N/A  
Luminaire Lumens: 3407.9 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	104	100	96	106	102	98	95	98	95	92		94	91	89		90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76		82	78	74		79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64		73	67	63		70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55		65	59	54		63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47		58	52	47		57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42		53	46	41		51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1688	1688	1688
5°	1688	1688	1690
10°	1679	1686	1696
15°	1664	1679	1698
20°	1640	1664	1696
25°	1608	1644	1690
30°	1574	1622	1681
35°	1540	1594	1664
40°	1496	1560	1644
45°	1455	1520	1615
50°	1407	1475	1572
55°	1351	1419	1520
60°	1292	1361	1458
65°	1206	1277	1365
70°	1120	1180	1261
75°	998	1052	1141
80°	837	876	956
85°	634	634	715



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.8	3.5
10°-20°	339.8	10.0
20°-30°	511.0	15.0
30°-40°	607.8	17.8
40°-50°	618.5	18.1
50°-60°	544.3	16.0
60°-70°	399.3	11.7
70°-80°	216.7	6.4
80°-90°	51.7	1.5
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°	969.5	28.4
0°-40°	1577.4	46.3
0°-60°	2740.2	80.4
0°-90°	3407.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3407.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1250	1248	1250	1250	1251	119
15°	1195	1196	1205	1212	1219	337
25°	1083	1090	1107	1126	1138	499
35°	938	944	970	999	1013	585
45°	764	771	799	833	848	589
55°	576	585	605	634	648	515
65°	379	386	401	418	429	377
75°	192	195	202	213	219	204
85°	41	41	41	45	46	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1254.8	1254.8	1254.8	1254.8	1254.8
2.5°	1254.8	1253.1	1253.1	1253.1	1254.8
5°	1249.7	1248.0	1249.7	1249.7	1251.4
7.5°	1241.1	1239.4	1242.8	1244.5	1246.2
10°	1229.1	1229.1	1234.2	1237.7	1241.1
12.5°	1213.7	1215.4	1220.5	1225.7	1230.8
15°	1194.8	1196.5	1205.1	1212.0	1218.8
17.5°	1170.8	1174.2	1184.5	1194.8	1201.7
20°	1145.1	1150.2	1162.2	1176.0	1184.5
22.5°	1116.0	1122.8	1136.5	1153.7	1162.2
25°	1083.4	1090.3	1107.4	1126.2	1138.2
27.5°	1049.1	1057.7	1076.5	1098.8	1112.5
30°	1013.1	1021.7	1044.0	1068.0	1081.7
32.5°	973.7	984.0	1008.0	1035.4	1049.1
35°	937.7	944.5	970.3	999.4	1013.1
37.5°	896.5	905.1	929.1	960.0	975.4
40°	852.0	860.5	888.0	918.8	936.0
42.5°	809.1	816.0	843.4	877.7	893.1
45°	764.5	771.4	798.8	833.1	848.5
47.5°	718.3	726.8	752.5	785.1	800.5
50°	672.0	678.8	704.5	735.4	750.8
52.5°	624.0	630.8	654.8	685.7	701.1
55°	576.0	584.6	605.1	634.3	648.0
57.5°	528.0	536.6	555.4	582.8	594.8
60°	480.0	486.8	505.7	529.7	541.7
62.5°	428.6	433.7	452.6	476.6	486.8
65°	378.8	385.7	401.1	418.3	428.6
67.5°	332.6	336.0	349.7	368.6	375.4
70°	284.6	288.0	300.0	315.4	320.6
72.5°	236.6	241.7	250.3	264.0	270.8
75°	192.0	195.4	202.3	212.6	219.4
77.5°	149.1	150.9	156.0	164.6	169.7
80°	108.0	109.7	113.1	120.0	123.4
82.5°	72.0	73.7	75.4	78.9	82.3
85°	41.1	41.1	41.1	44.6	46.3
87.5°	15.4	13.7	13.7	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)