

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: P383959

Luminaire Tested: **22ID-40-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383959
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-40-L835-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

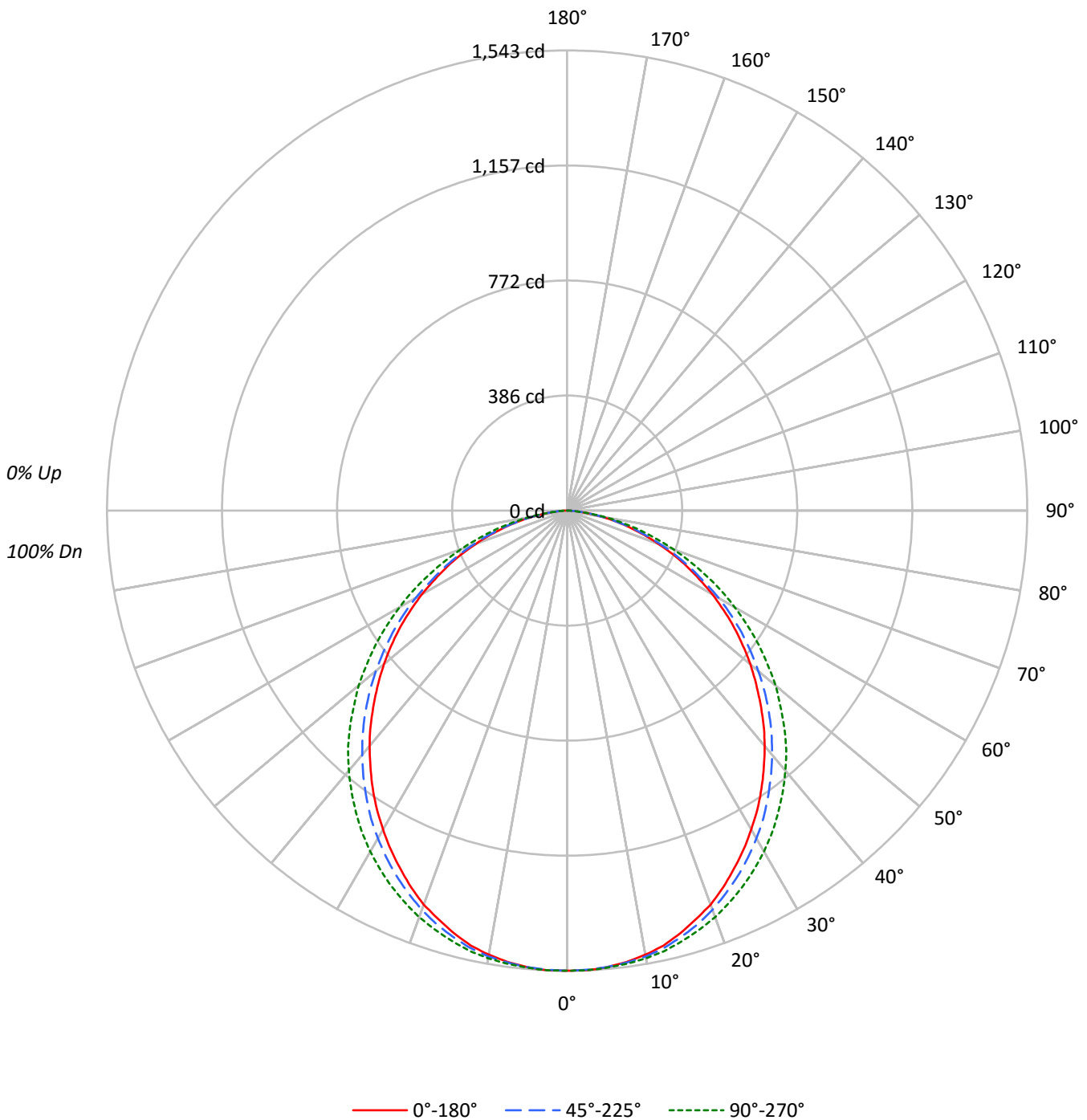
Lumens per Lamp: N/A
Luminaire Lumens: 4072.6 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.5
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



TEST NUMBER: P383959
CATALOG NUMBER: 22ID-40-L835-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P383959

CATALOG NUMBER: 22ID-40-L835-CFR2

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	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					100			
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31					31			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4152	4152	4152
5°	4151	4151	4156
10°	4132	4149	4165
15°	4087	4122	4162
20°	4026	4079	4155
25°	3932	4017	4132
30°	3836	3944	4103
35°	3734	3855	4056
40°	3620	3756	4000
45°	3487	3642	3922
50°	3358	3503	3819
55°	3207	3351	3676
60°	3031	3163	3492
65°	2819	2911	3261
70°	2553	2649	2987
75°	2228	2312	2610
80°	1802	1835	2055
85°	1071	1198	1010



TEST NUMBER: P383959

CATALOG NUMBER: 22ID-40-L835-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	3.6
10°-20°	417.4	10.2
20°-30°	624.4	15.3
30°-40°	737.7	18.1
40°-50°	744.4	18.3
50°-60°	646.5	15.9
60°-70°	463.6	11.4
70°-80°	241.5	5.9
80°-90°	51.0	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°	1187.9	29.2
0°-40°	1925.7	47.3
0°-60°	3316.6	81.4
0°-90°	4072.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4072.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1543	1543	1543	1543	1543	
5°	1537	1535	1537	1537	1539	146
15°	1467	1469	1480	1490	1494	413
25°	1324	1333	1353	1380	1392	610
35°	1137	1145	1173	1216	1235	711
45°	916	926	957	1006	1030	708
55°	684	690	714	761	784	611
65°	443	441	457	492	512	438
75°	214	212	222	239	251	229
85°	35	39	39	35	33	50
90°	0	0	0	0	0	



TEST NUMBER: P383959

CATALOG NUMBER: 22ID-40-L835-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1542.8	1542.8	1542.8	1542.8	1542.8
2.5°	1542.8	1540.7	1540.7	1540.7	1542.8
5°	1536.6	1534.6	1536.6	1536.6	1538.7
7.5°	1526.4	1524.4	1528.5	1530.5	1532.6
10°	1512.1	1512.1	1518.3	1522.3	1524.4
12.5°	1493.8	1493.8	1501.9	1508.1	1512.1
15°	1467.2	1469.3	1479.5	1489.7	1493.8
17.5°	1436.6	1442.8	1455.0	1469.3	1473.4
20°	1406.0	1410.1	1424.4	1442.8	1450.9
22.5°	1367.3	1373.4	1389.7	1414.2	1422.4
25°	1324.4	1332.6	1353.0	1379.5	1391.7
27.5°	1281.5	1287.7	1312.2	1342.8	1357.1
30°	1234.6	1242.8	1269.3	1304.0	1320.3
32.5°	1187.7	1193.8	1224.4	1261.1	1279.5
35°	1136.7	1144.8	1173.4	1216.2	1234.6
37.5°	1083.6	1093.8	1122.4	1167.3	1187.7
40°	1030.5	1036.7	1069.3	1114.2	1138.7
42.5°	975.4	983.6	1014.2	1063.2	1087.7
45°	916.3	926.5	957.1	1006.1	1030.5
47.5°	859.1	869.3	897.9	946.9	969.3
50°	802.0	808.1	836.7	885.7	912.2
52.5°	742.8	748.9	775.5	822.4	846.9
55°	683.6	689.8	714.2	761.2	783.6
57.5°	622.4	626.5	651.0	693.8	716.3
60°	563.2	565.3	587.7	626.5	648.9
62.5°	500.0	502.0	518.3	563.2	583.6
65°	442.8	440.8	457.1	491.8	512.2
67.5°	383.6	383.6	397.9	428.5	444.9
70°	324.5	324.5	336.7	363.2	379.6
72.5°	269.4	269.4	279.6	300.0	312.2
75°	214.3	212.2	222.4	238.8	251.0
77.5°	163.3	163.3	167.3	181.6	189.8
80°	116.3	116.3	118.4	126.5	132.6
82.5°	73.5	73.5	73.5	77.5	79.6
85°	34.7	38.8	38.8	34.7	32.7
87.5°	16.3	16.3	14.3	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)