

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: P385187

Luminaire Tested: **24ID-40-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385187
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-40-L835-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

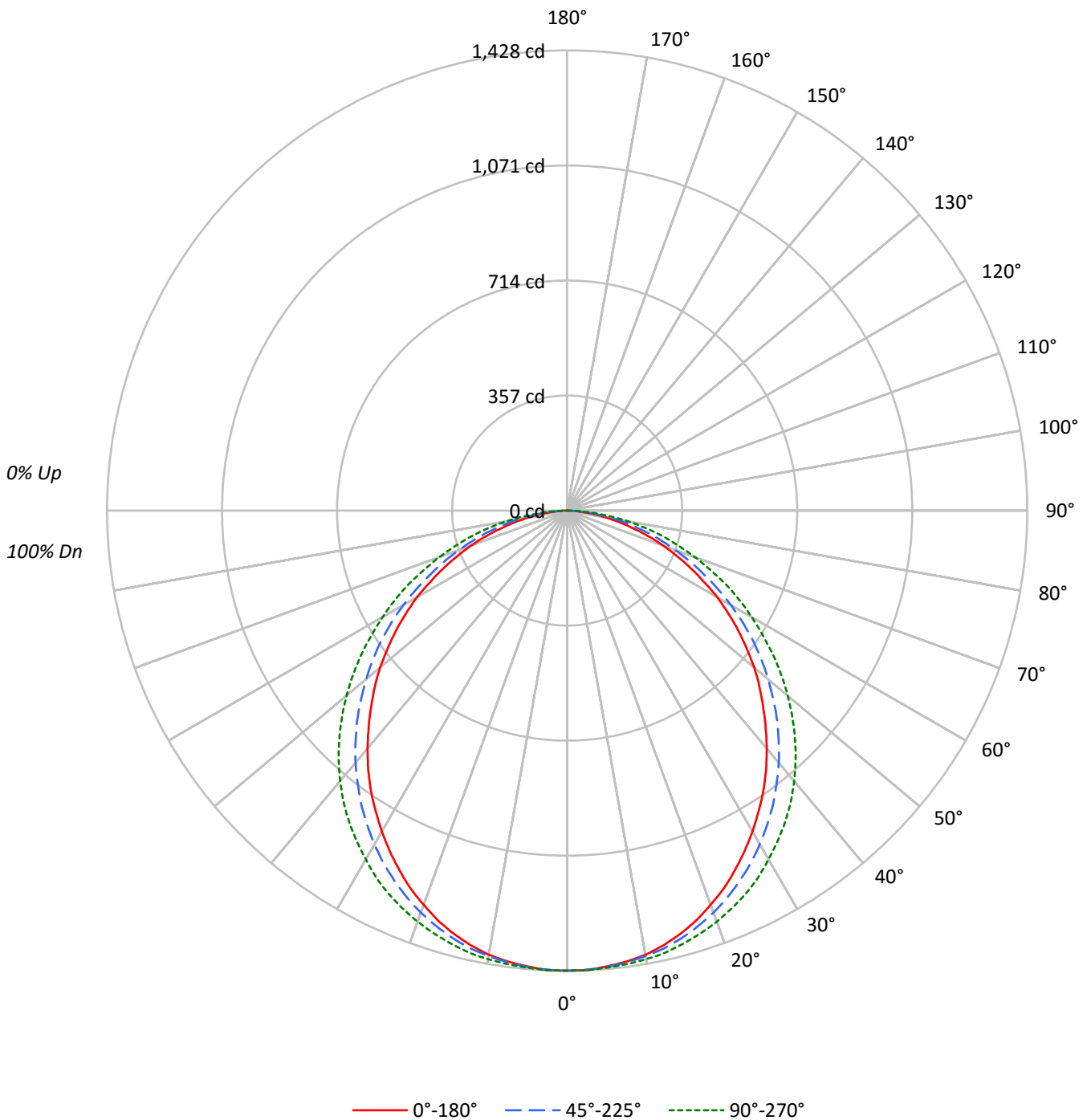
Lumens per Lamp: N/A
Luminaire Lumens: 3964.1 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35.2
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	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1921	1921	1921
5°	1917	1920	1923
10°	1912	1918	1931
15°	1894	1913	1939
20°	1864	1901	1944
25°	1829	1882	1947
30°	1786	1858	1942
35°	1744	1829	1938
40°	1693	1795	1925
45°	1636	1754	1902
50°	1586	1703	1871
55°	1520	1651	1829
60°	1447	1582	1781
65°	1350	1490	1732
70°	1243	1400	1660
75°	1102	1300	1590
80°	930	1162	1472
85°	679	895	1173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	3.4
10°-20°	387.7	9.8
20°-30°	584.8	14.8
30°-40°	698.1	17.6
40°-50°	713.5	18.0
50°-60°	632.7	16.0
60°-70°	471.6	11.9
70°-80°	269.4	6.8
80°-90°	71.1	1.8
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°	1107.6	27.9
0°-40°	1805.8	45.6
0°-60°	3152.0	79.5
0°-90°	3964.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3964.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1428	1428	1428	1428	1428	
5°	1420	1420	1422	1422	1424	135
15°	1360	1364	1374	1386	1392	383
25°	1232	1242	1268	1296	1312	567
35°	1062	1076	1114	1158	1180	663
45°	860	878	922	972	1000	664
55°	648	660	704	754	780	579
65°	424	434	468	516	544	420
75°	212	222	250	288	306	226
85°	44	46	58	72	76	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1427.7	1427.7	1427.7	1427.7	1427.7
2.5°	1427.7	1425.7	1425.7	1425.7	1427.7
5°	1419.7	1419.7	1421.7	1421.7	1423.7
7.5°	1411.7	1411.7	1413.7	1415.7	1419.7
10°	1399.7	1399.7	1403.7	1409.7	1413.7
12.5°	1381.7	1383.7	1391.7	1399.7	1405.7
15°	1359.7	1363.7	1373.7	1385.7	1391.7
17.5°	1333.7	1337.7	1351.7	1367.7	1375.7
20°	1301.8	1309.8	1327.7	1347.7	1357.7
22.5°	1269.8	1277.8	1299.8	1323.7	1335.7
25°	1231.8	1241.8	1267.8	1295.8	1311.8
27.5°	1191.8	1203.8	1233.8	1265.8	1283.8
30°	1149.8	1163.8	1195.8	1231.8	1249.8
32.5°	1105.8	1119.8	1155.8	1195.8	1215.8
35°	1061.8	1075.8	1113.8	1157.8	1179.8
37.5°	1013.8	1027.8	1067.8	1115.8	1139.8
40°	963.8	979.8	1021.8	1069.8	1095.8
42.5°	911.8	929.8	971.8	1023.8	1049.8
45°	859.8	877.8	921.8	971.8	999.8
47.5°	809.8	823.8	867.8	919.8	947.8
50°	757.9	769.9	813.8	865.8	893.8
52.5°	701.9	717.9	759.9	811.8	837.8
55°	647.9	659.9	703.9	753.9	779.9
57.5°	591.9	603.9	645.9	695.9	719.9
60°	537.9	549.9	587.9	637.9	661.9
62.5°	477.9	489.9	527.9	579.9	603.9
65°	423.9	433.9	467.9	515.9	543.9
67.5°	369.9	379.9	411.9	457.9	479.9
70°	315.9	323.9	355.9	397.9	421.9
72.5°	264.0	271.9	303.9	341.9	361.9
75°	212.0	222.0	250.0	287.9	305.9
77.5°	164.0	174.0	198.0	232.0	248.0
80°	120.0	128.0	150.0	176.0	190.0
82.5°	80.0	86.0	102.0	124.0	134.0
85°	44.0	46.0	58.0	72.0	76.0
87.5°	18.0	18.0	22.0	24.0	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)