

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: P385119

Luminaire Tested: **22ID-20-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385119
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: 22ID-20-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

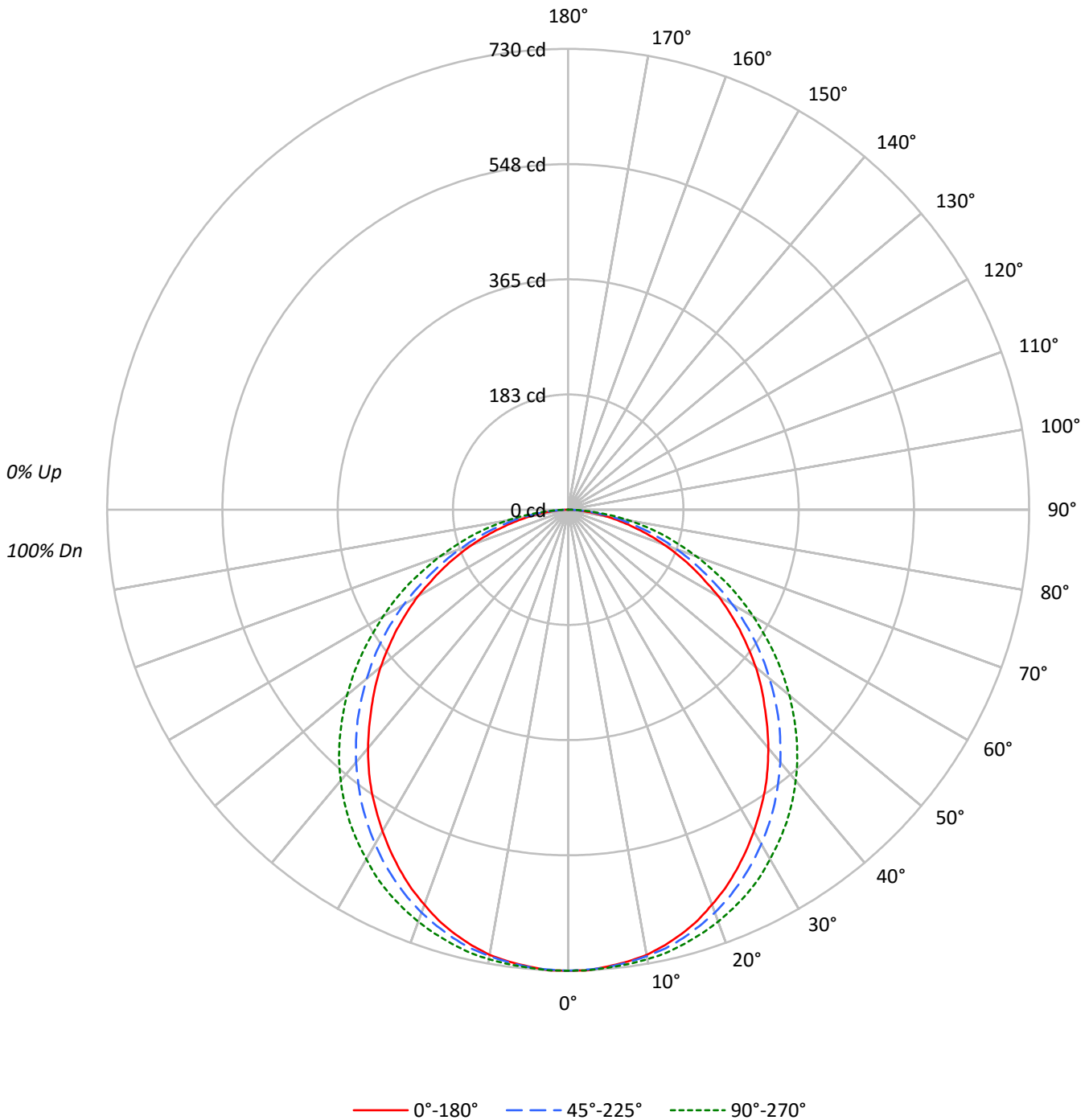
Lumens per Lamp: N/A
Luminaire Lumens: 2027.6 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.3
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: P385119
CATALOG NUMBER: 22ID-20-L835-CNC

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°	1965	1965	1965
5°	1962	1964	1967
10°	1956	1962	1976
15°	1938	1958	1983
20°	1907	1945	1989
25°	1871	1925	1992
30°	1827	1900	1986
35°	1784	1872	1982
40°	1732	1836	1969
45°	1674	1794	1946
50°	1623	1743	1914
55°	1555	1689	1871
60°	1481	1618	1822
65°	1380	1524	1771
70°	1271	1433	1698
75°	1127	1329	1627
80°	951	1189	1506
85°	695	917	1201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	3.4
10°-20°	198.3	9.8
20°-30°	299.1	14.8
30°-40°	357.1	17.6
40°-50°	365.0	18.0
50°-60°	323.6	16.0
60°-70°	241.2	11.9
70°-80°	137.8	6.8
80°-90°	36.4	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°	566.5	27.9
0°-40°	923.6	45.6
0°-60°	1612.2	79.5
0°-90°	2027.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2027.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	726	726	727	727	728	69
15°	696	698	703	709	712	196
25°	630	635	648	663	671	290
35°	543	550	570	592	603	339
45°	440	449	472	497	511	340
55°	331	338	360	386	399	296
65°	217	222	239	264	278	215
75°	108	114	128	147	156	116
85°	22	24	30	37	39	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	730.3	730.3	730.3	730.3	730.3
2.5°	730.3	729.2	729.2	729.2	730.3
5°	726.2	726.2	727.2	727.2	728.2
7.5°	722.1	722.1	723.1	724.1	726.2
10°	716.0	716.0	718.0	721.1	723.1
12.5°	706.7	707.8	711.9	716.0	719.0
15°	695.5	697.5	702.7	708.8	711.9
17.5°	682.2	684.2	691.4	699.6	703.7
20°	665.8	669.9	679.1	689.4	694.5
22.5°	649.5	653.6	664.8	677.1	683.2
25°	630.0	635.2	648.4	662.8	670.9
27.5°	609.6	615.7	631.1	647.4	656.6
30°	588.1	595.3	611.6	630.0	639.2
32.5°	565.6	572.8	591.2	611.6	621.9
35°	543.1	550.3	569.7	592.2	603.4
37.5°	518.6	525.7	546.2	570.7	583.0
40°	493.0	501.2	522.6	547.2	560.5
42.5°	466.4	475.6	497.1	523.7	537.0
45°	439.8	449.0	471.5	497.1	511.4
47.5°	414.2	421.4	443.9	470.5	484.8
50°	387.6	393.8	416.3	442.9	457.2
52.5°	359.0	367.2	388.7	415.3	428.5
55°	331.4	337.5	360.0	385.6	398.9
57.5°	302.7	308.9	330.4	355.9	368.2
60°	275.1	281.3	300.7	326.3	338.5
62.5°	244.4	250.6	270.0	296.6	308.9
65°	216.8	221.9	239.3	263.9	278.2
67.5°	189.2	194.3	210.7	234.2	245.5
70°	161.6	165.7	182.1	203.5	215.8
72.5°	135.0	139.1	155.5	174.9	185.1
75°	108.4	113.5	127.8	147.3	156.5
77.5°	83.9	89.0	101.3	118.6	126.8
80°	61.4	65.5	76.7	90.0	97.2
82.5°	40.9	44.0	52.2	63.4	68.5
85°	22.5	23.5	29.7	36.8	38.9
87.5°	9.2	9.2	11.3	12.3	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)