

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: P385063

Luminaire Tested: **14ID-20-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385063
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: 14ID-20-L835-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

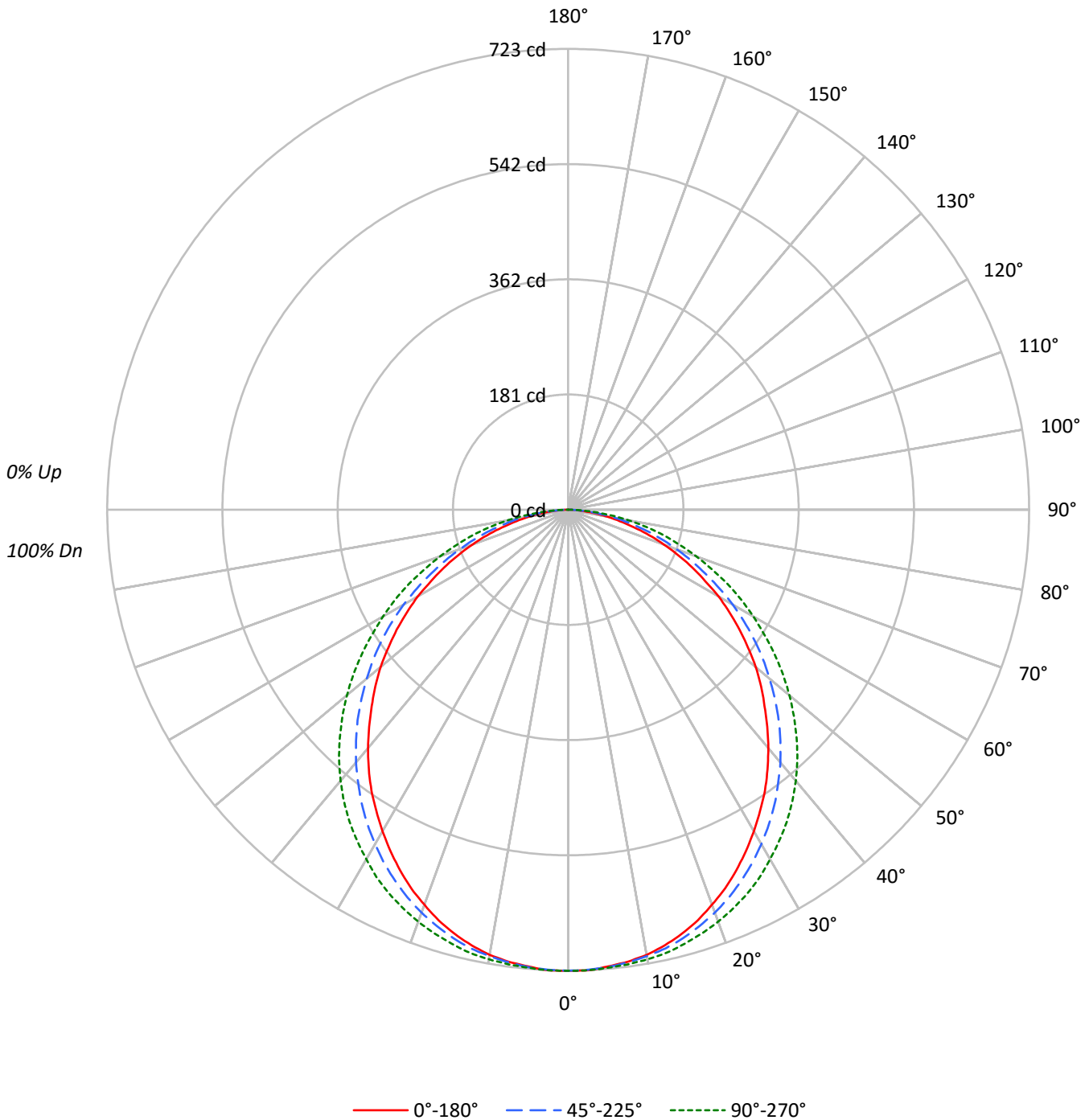
Lumens per Lamp: N/A
Luminaire Lumens: 2008.4 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
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



TEST NUMBER: P385063
CATALOG NUMBER: 14ID-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°	1947	1947	1947
5°	1943	1946	1948
10°	1938	1943	1957
15°	1919	1939	1964
20°	1889	1926	1970
25°	1853	1907	1973
30°	1810	1882	1968
35°	1767	1854	1963
40°	1715	1819	1950
45°	1658	1777	1928
50°	1608	1726	1896
55°	1540	1673	1854
60°	1467	1603	1805
65°	1368	1510	1755
70°	1260	1419	1682
75°	1117	1316	1612
80°	942	1178	1491
85°	689	908	1189



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	3.4
10°-20°	196.4	9.8
20°-30°	296.3	14.8
30°-40°	353.7	17.6
40°-50°	361.5	18.0
50°-60°	320.5	16.0
60°-70°	239.0	11.9
70°-80°	136.5	6.8
80°-90°	36.0	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°	561.2	27.9
0°-40°	914.9	45.6
0°-60°	1596.9	79.5
0°-90°	2008.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2008.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	723	723	723	723	723	
5°	719	719	720	720	721	68
15°	689	691	696	702	705	194
25°	624	629	642	656	665	287
35°	538	545	564	587	598	336
45°	436	445	467	492	507	337
55°	328	334	357	382	395	293
65°	215	220	237	261	276	213
75°	107	112	127	146	155	115
85°	22	23	29	36	38	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	723.4	723.4	723.4	723.4	723.4
2.5°	723.4	722.3	722.3	722.3	723.4
5°	719.3	719.3	720.3	720.3	721.3
7.5°	715.3	715.3	716.3	717.3	719.3
10°	709.2	709.2	711.2	714.2	716.3
12.5°	700.1	701.1	705.1	709.2	712.2
15°	688.9	690.9	696.0	702.1	705.1
17.5°	675.7	677.8	684.9	693.0	697.0
20°	659.5	663.6	672.7	682.8	687.9
22.5°	643.3	647.4	658.5	670.7	676.8
25°	624.1	629.1	642.3	656.5	664.6
27.5°	603.8	609.9	625.1	641.3	650.4
30°	582.5	589.6	605.8	624.1	633.2
32.5°	560.2	567.3	585.6	605.8	616.0
35°	538.0	545.0	564.3	586.6	597.7
37.5°	513.6	520.7	541.0	565.3	577.5
40°	488.3	496.4	517.7	542.0	555.2
42.5°	462.0	471.1	492.4	518.7	531.9
45°	435.6	444.8	467.0	492.4	506.6
47.5°	410.3	417.4	439.7	466.0	480.2
50°	384.0	390.0	412.3	438.7	452.9
52.5°	355.6	363.7	385.0	411.3	424.5
55°	328.2	334.3	356.6	381.9	395.1
57.5°	299.9	306.0	327.2	352.6	364.7
60°	272.5	278.6	297.9	323.2	335.3
62.5°	242.1	248.2	267.5	293.8	306.0
65°	214.8	219.8	237.1	261.4	275.6
67.5°	187.4	192.5	208.7	232.0	243.1
70°	160.1	164.1	180.3	201.6	213.8
72.5°	133.7	137.8	154.0	173.2	183.4
75°	107.4	112.5	126.6	145.9	155.0
77.5°	83.1	88.1	100.3	117.5	125.6
80°	60.8	64.8	76.0	89.2	96.2
82.5°	40.5	43.6	51.7	62.8	67.9
85°	22.3	23.3	29.4	36.5	38.5
87.5°	9.1	9.1	11.1	12.2	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)