

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: P385263

Luminaire Tested: **14ID-60-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-60-L835-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

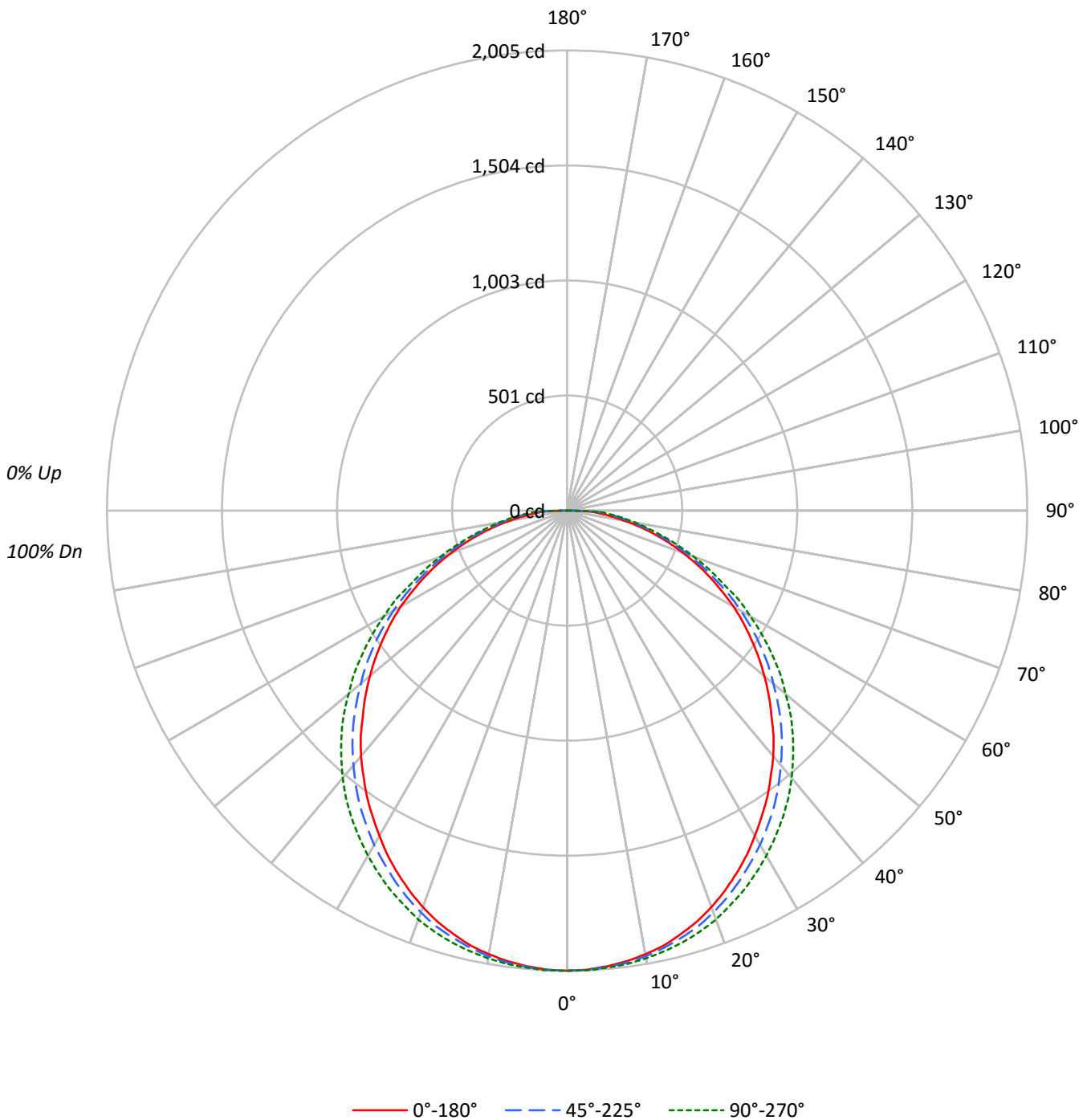
Lumens per Lamp: N/A
Luminaire Lumens: 5815.5 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 53.3
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



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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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5396	5396	5396
5°	5364	5323	5322
10°	5324	5252	5258
15°	5266	5163	5194
20°	5187	5063	5120
25°	5082	4940	5024
30°	4964	4815	4920
35°	4856	4683	4813
40°	4742	4529	4688
45°	4596	4374	4538
50°	4475	4179	4341
55°	4339	3985	4126
60°	4205	3748	3852
65°	4013	3453	3504
70°	3779	3134	3166
75°	3510	2779	2772
80°	3146	2400	2385
85°	2972	2088	2025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.7	3.3
10°-20°	543.7	9.3
20°-30°	820.5	14.1
30°-40°	984.8	16.9
40°-50°	1019.2	17.5
50°-60°	923.3	15.9
60°-70°	711.4	12.2
70°-80°	440.2	7.6
80°-90°	182.8	3.1
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°	1553.9	26.7
0°-40°	2538.7	43.7
0°-60°	4481.1	77.1
0°-90°	5815.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5815.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2005	2005	2005	2005	2005	
5°	1993	1993	1996	1996	1999	189
15°	1911	1914	1926	1938	1948	539
25°	1745	1751	1778	1808	1824	804
35°	1521	1533	1573	1615	1636	951
45°	1258	1276	1319	1367	1391	973
55°	980	995	1028	1074	1089	877
65°	686	692	714	744	747	679
75°	390	399	414	432	432	413
85°	142	157	182	194	190	154
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2005.1	2005.1	2005.1	2005.1	2005.1
2.5°	2002.0	2002.0	2002.0	2002.0	2005.1
5°	1993.0	1993.0	1996.0	1996.0	1999.0
7.5°	1980.9	1980.9	1986.9	1986.9	1993.0
10°	1962.7	1965.8	1971.8	1974.8	1980.9
12.5°	1941.6	1941.6	1950.6	1959.7	1965.8
15°	1911.3	1914.3	1926.4	1938.5	1947.6
17.5°	1878.0	1881.1	1899.2	1911.3	1923.4
20°	1838.7	1841.8	1862.9	1881.1	1896.2
22.5°	1793.4	1799.4	1823.6	1847.8	1859.9
25°	1745.0	1751.0	1778.2	1808.5	1823.6
27.5°	1693.6	1702.6	1729.9	1763.1	1781.3
30°	1636.1	1648.2	1681.5	1717.8	1735.9
32.5°	1578.6	1590.7	1627.0	1669.4	1687.5
35°	1521.2	1533.3	1572.6	1614.9	1636.1
37.5°	1457.7	1469.8	1512.1	1557.5	1581.7
40°	1397.2	1409.3	1448.6	1500.0	1521.2
42.5°	1330.7	1342.8	1385.1	1433.5	1457.7
45°	1258.1	1276.2	1318.6	1367.0	1391.1
47.5°	1191.5	1206.7	1246.0	1297.4	1321.6
50°	1122.0	1137.1	1173.4	1224.8	1243.0
52.5°	1052.4	1067.6	1103.8	1152.2	1170.4
55°	979.9	995.0	1028.2	1073.6	1088.7
57.5°	910.3	922.4	952.6	995.0	1007.1
60°	837.7	849.8	874.0	913.3	922.4
62.5°	759.1	768.2	795.4	831.7	843.8
65°	686.5	692.5	713.7	744.0	747.0
67.5°	610.9	616.9	638.1	659.3	668.4
70°	535.3	544.4	559.5	580.7	586.7
72.5°	462.7	471.8	486.9	505.0	508.1
75°	390.1	399.2	414.3	432.5	432.5
77.5°	320.6	329.6	347.8	362.9	362.9
80°	251.0	266.1	284.3	299.4	299.4
82.5°	193.6	205.6	229.8	241.9	241.9
85°	142.1	157.3	181.5	193.6	190.5
87.5°	102.8	117.9	139.1	148.2	145.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)