

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: P385151

Luminaire Tested: **22ID-60-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385151
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-60-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

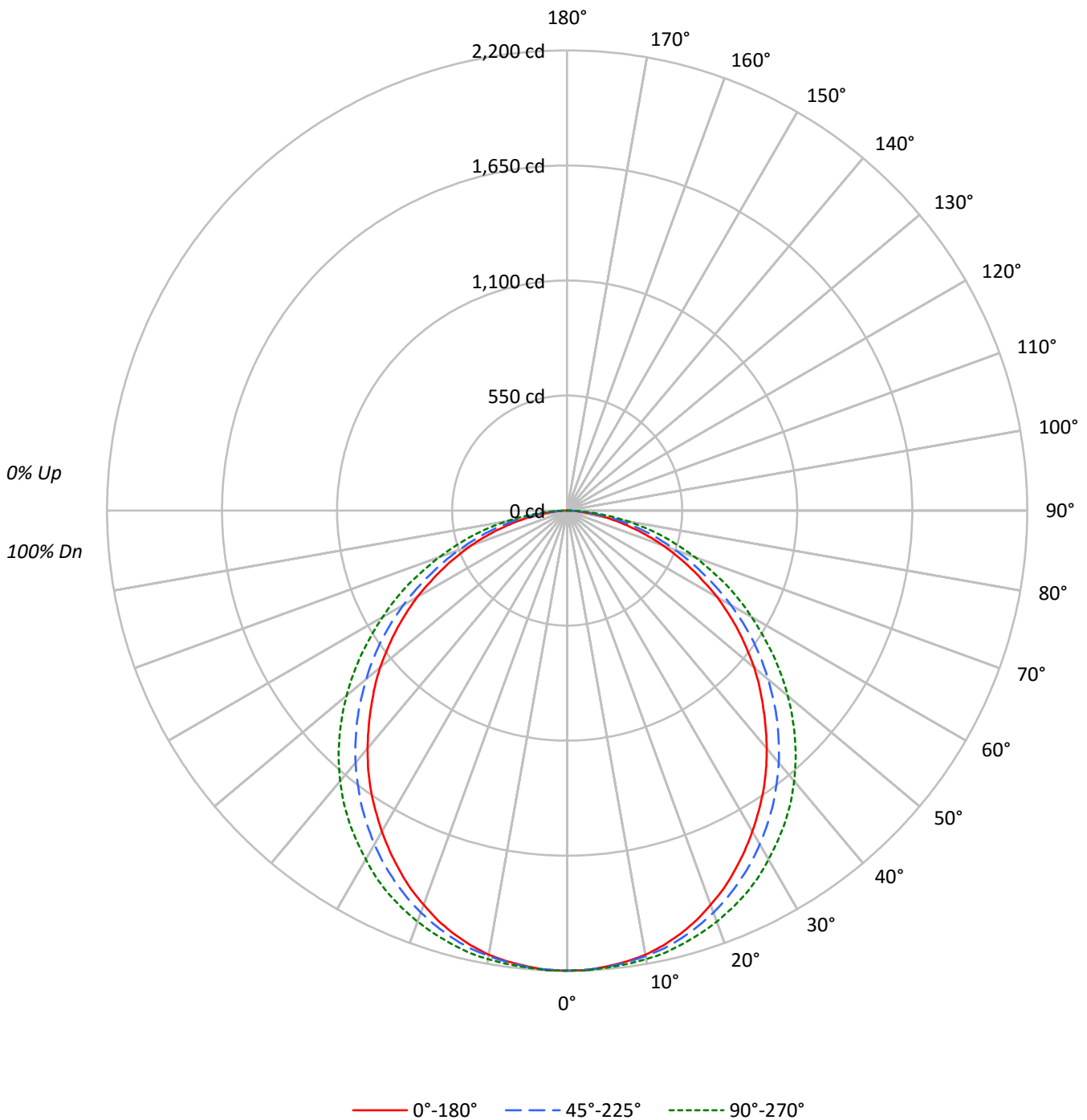
Lumens per Lamp: N/A
Luminaire Lumens: 6107.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 50.9
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	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°	5919	5919	5919
5°	5908	5917	5925
10°	5892	5909	5951
15°	5836	5896	5973
20°	5743	5858	5990
25°	5634	5799	6000
30°	5504	5724	5983
35°	5374	5637	5971
40°	5216	5530	5930
45°	5041	5404	5862
50°	4888	5249	5765
55°	4683	5088	5636
60°	4460	4874	5488
65°	4159	4590	5335
70°	3829	4314	5114
75°	3395	4004	4900
80°	2864	3580	4536
85°	2093	2757	3616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	3.4
10°-20°	597.3	9.8
20°-30°	900.9	14.8
30°-40°	1075.5	17.6
40°-50°	1099.2	18.0
50°-60°	974.7	16.0
60°-70°	726.6	11.9
70°-80°	415.1	6.8
80°-90°	109.5	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°	1706.4	27.9
0°-40°	2781.9	45.6
0°-60°	4855.8	79.5
0°-90°	6107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6107.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2200	2200	2200	2200	2200	
5°	2187	2187	2190	2190	2193	208
15°	2095	2101	2116	2135	2144	590
25°	1898	1913	1953	1996	2021	874
35°	1636	1657	1716	1784	1818	1022
45°	1325	1352	1420	1497	1540	1023
55°	998	1017	1084	1161	1201	892
65°	653	668	721	795	838	647
75°	326	342	385	444	471	348
85°	68	71	89	111	117	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2199.5	2199.5	2199.5	2199.5	2199.5
2.5°	2199.5	2196.4	2196.4	2196.4	2199.5
5°	2187.2	2187.2	2190.3	2190.3	2193.4
7.5°	2174.9	2174.9	2178.0	2181.0	2187.2
10°	2156.4	2156.4	2162.6	2171.8	2178.0
12.5°	2128.7	2131.8	2144.1	2156.4	2165.6
15°	2094.8	2100.9	2116.4	2134.8	2144.1
17.5°	2054.7	2060.9	2082.5	2107.1	2119.4
20°	2005.5	2017.8	2045.5	2076.3	2091.7
22.5°	1956.2	1968.5	2002.4	2039.3	2057.8
25°	1897.6	1913.0	1953.1	1996.2	2020.9
27.5°	1836.0	1854.5	1900.7	1950.0	1977.7
30°	1771.3	1792.9	1842.2	1897.6	1925.4
32.5°	1703.6	1725.1	1780.6	1842.2	1873.0
35°	1635.8	1657.3	1715.9	1783.7	1817.5
37.5°	1561.8	1583.4	1645.0	1719.0	1755.9
40°	1484.8	1509.5	1574.2	1648.1	1688.2
42.5°	1404.7	1432.5	1497.2	1577.3	1617.3
45°	1324.6	1352.4	1420.1	1497.2	1540.3
47.5°	1247.6	1269.2	1337.0	1417.1	1460.2
50°	1167.5	1186.0	1253.8	1333.9	1377.0
52.5°	1081.3	1105.9	1170.6	1250.7	1290.8
55°	998.1	1016.6	1084.4	1161.4	1201.4
57.5°	911.8	930.3	995.0	1072.0	1109.0
60°	828.7	847.2	905.7	982.7	1019.7
62.5°	736.3	754.7	813.3	893.4	930.3
65°	653.1	668.5	720.9	794.8	837.9
67.5°	569.9	585.3	634.6	705.5	739.3
70°	486.7	499.1	548.3	613.0	650.0
72.5°	406.6	419.0	468.2	526.8	557.6
75°	326.5	341.9	385.1	443.6	471.3
77.5°	252.6	268.0	305.0	357.3	382.0
80°	184.8	197.2	231.0	271.1	292.7
82.5°	123.2	132.5	157.1	191.0	206.4
85°	67.8	70.9	89.3	110.9	117.1
87.5°	27.7	27.7	33.9	37.0	40.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)