

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: P257437

Luminaire Tested: **D3X-WG-26L930-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-26L930-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (112) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2156.9 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

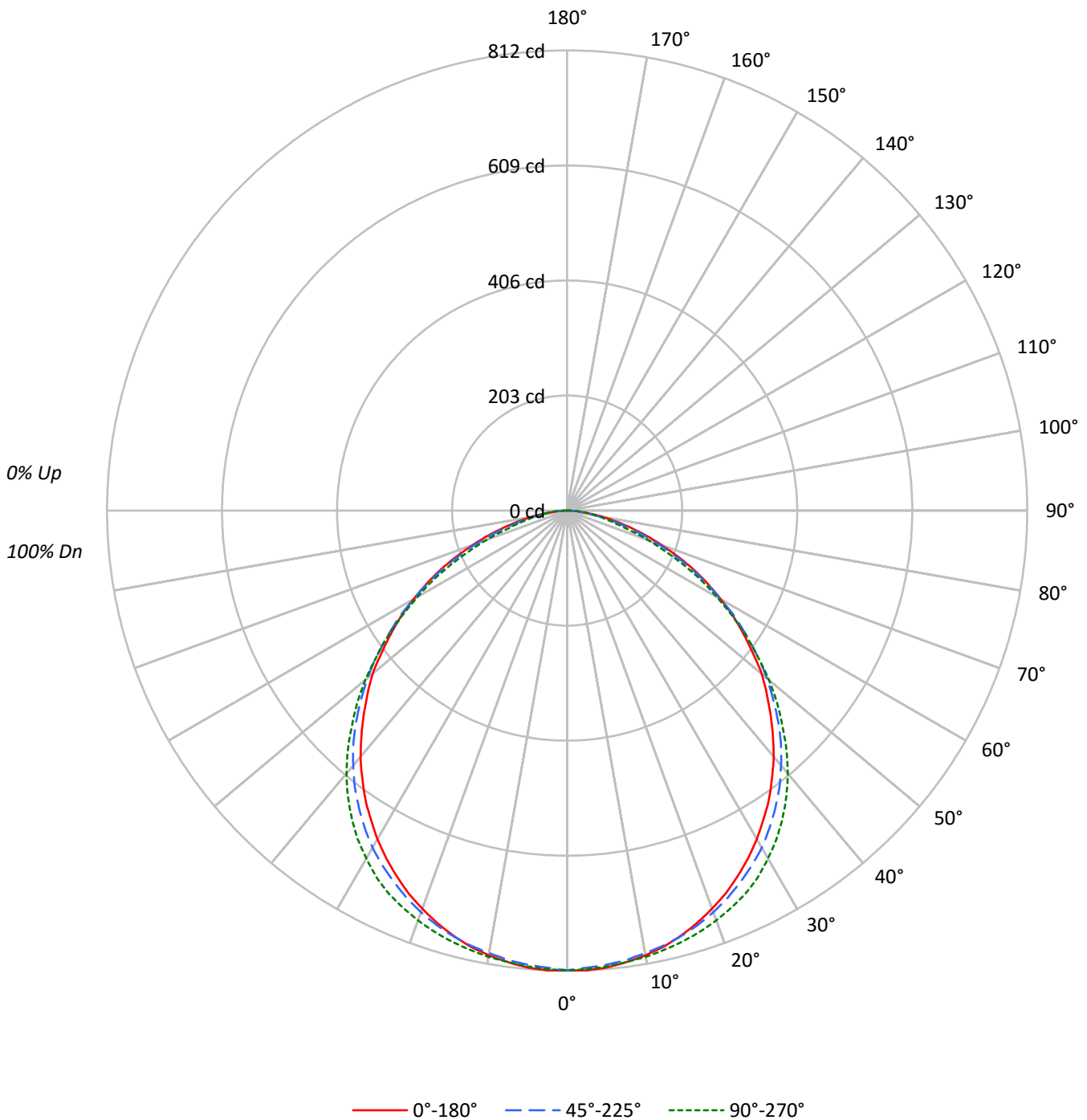
Input Watts (W): 24.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P257437

CATALOG NUMBER: D3X-WG-26L930-LD5-UNV-14-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P257437

CATALOG NUMBER: D3X-WG-26L930-LD5-UNV-14-T1-STD

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	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2183	2183	2183
5°	2186	2173	2181
10°	2177	2166	2185
15°	2163	2166	2193
20°	2141	2160	2204
25°	2113	2148	2214
30°	2080	2134	2203
35°	2041	2104	2177
40°	1992	2063	2128
45°	1931	2004	2044
50°	1878	1926	1946
55°	1783	1819	1810
60°	1687	1687	1640
65°	1566	1529	1443
70°	1389	1328	1199
75°	1203	1093	922
80°	987	852	837
85°	655	775	834



TEST NUMBER: P257437

CATALOG NUMBER: D3X-WG-26L930-LD5-UNV-14-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	3.6
10°-20°	220.1	10.2
20°-30°	334.6	15.5
30°-40°	400.6	18.6
40°-50°	404.1	18.7
50°-60°	344.2	16.0
60°-70°	235.4	10.9
70°-80°	112.7	5.2
80°-90°	28.5	1.3
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°	631.4	29.3
0°-40°	1032.0	47.8
0°-60°	1780.3	82.5
0°-90°	2156.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2156.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	811	811	811	811	811	
5°	809	808	804	808	807	77
15°	776	774	777	786	787	219
25°	712	713	723	740	746	328
35°	621	623	640	659	663	388
45°	507	511	527	537	537	392
55°	380	382	388	389	386	340
65°	246	241	240	232	227	243
75°	116	114	105	92	89	124
85°	21	23	25	26	27	27
90°	0	0	0	0	0	



TEST NUMBER: P257437

CATALOG NUMBER: D3X-WG-26L930-LD5-UNV-14-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	811.2	811.2	811.2	811.2	811.2
2.5°	812.1	811.2	807.3	811.2	810.2
5°	809.2	808.3	804.4	808.3	807.3
7.5°	803.5	802.5	799.6	803.5	803.5
10°	796.7	794.8	792.8	798.6	799.6
12.5°	788.0	786.1	786.1	792.8	793.8
15°	776.4	774.5	777.4	786.1	787.1
17.5°	762.9	762.0	766.8	777.4	779.3
20°	747.5	746.5	754.3	766.8	769.7
22.5°	731.1	731.1	739.8	754.3	758.1
25°	711.8	712.8	723.4	739.8	745.6
27.5°	691.6	693.5	706.0	724.4	729.2
30°	669.4	672.3	686.7	704.1	708.9
32.5°	645.3	648.2	664.6	682.9	687.7
35°	621.2	623.1	640.4	658.8	662.6
37.5°	594.2	597.0	615.4	631.8	635.6
40°	567.1	570.0	587.4	602.8	605.7
42.5°	537.2	541.1	558.5	571.0	572.9
45°	507.3	511.2	526.6	537.2	537.2
47.5°	477.4	479.4	492.9	503.5	502.5
50°	448.5	447.5	460.1	464.9	464.9
52.5°	412.8	415.7	424.4	427.3	424.4
55°	380.0	382.0	387.7	388.7	385.8
57.5°	348.2	347.2	352.1	349.2	345.3
60°	313.5	313.5	313.5	310.6	304.8
62.5°	279.7	277.8	276.8	270.1	267.2
65°	246.0	241.1	240.2	231.5	226.7
67.5°	210.3	208.3	203.5	194.8	186.2
70°	176.5	174.6	168.8	158.2	152.4
72.5°	145.6	143.7	136.0	123.5	115.7
75°	115.7	113.8	105.1	91.6	88.7
77.5°	87.8	86.8	78.1	71.4	70.4
80°	63.7	62.7	55.0	55.0	54.0
82.5°	40.5	40.5	38.6	39.5	40.5
85°	21.2	23.1	25.1	26.0	27.0
87.5°	6.8	10.6	12.5	13.5	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)