Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P302370

Luminaire Tested: **RX-WO-75L835-UNV-24-STD**

Issue Date: 3/3/2020

Report Generated By E9808136 / USAU2WHP6039969

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Test Information

Test Method:	LM-79-08
Report Number:	P302370
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	CORELITE
Catalog Number:	RX-WO-75L835-UNV-24-STD
Description:	CORELITE CLASS RX 2X2 LED LUMINAIRE. ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source:	(392)3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7179.5 lumens
Efficiency:	N/A
Efficacy:	129.6 lumens/watt
Spacing Criteria (0/90/45):	1.38 / 1.43 / 1.51
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct

Input Watts (W):	55.4
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

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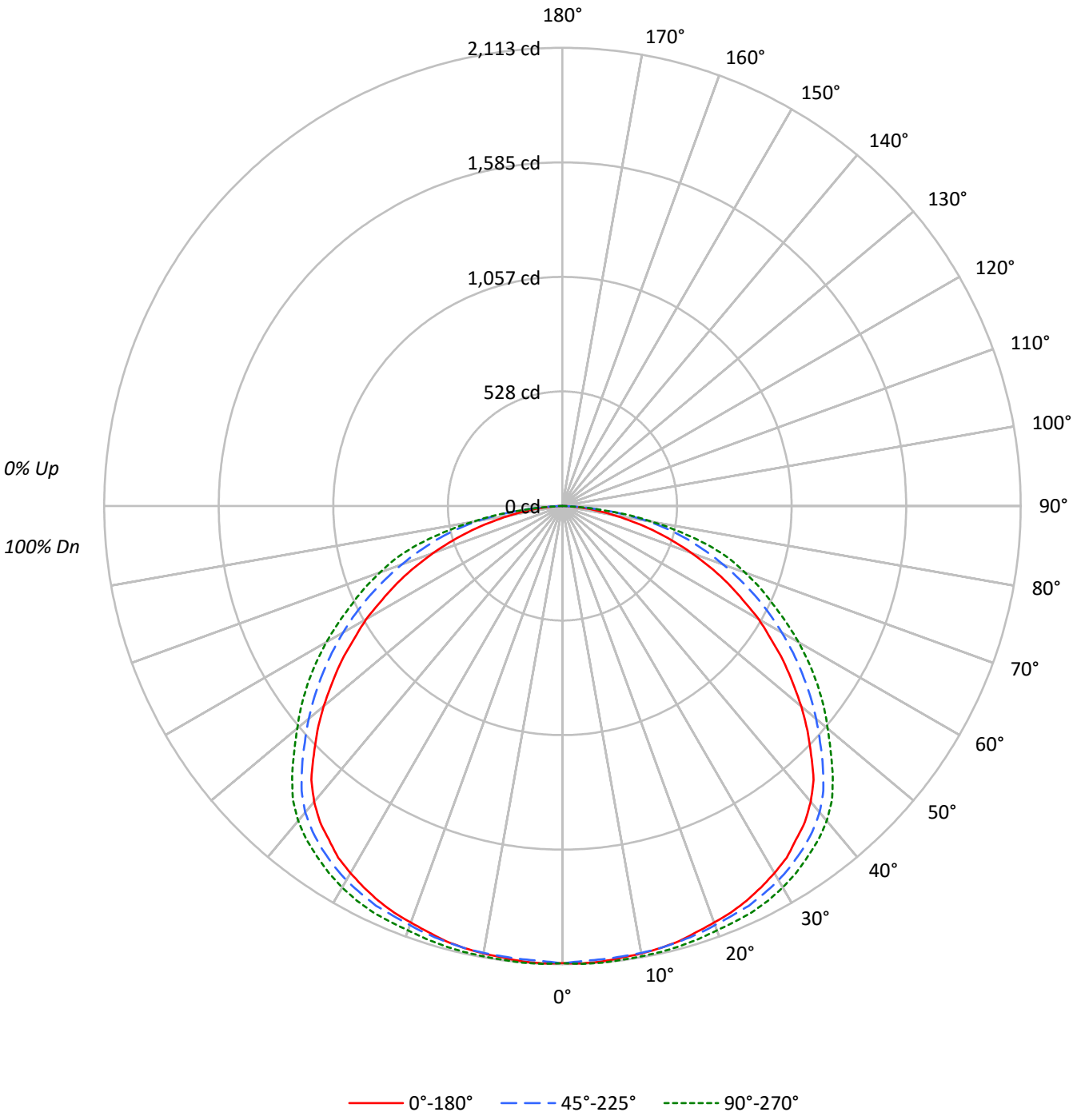
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	98	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2837	2837	2837
5°	2848	2834	2854
10°	2863	2859	2880
15°	2894	2897	2926
20°	2927	2945	2982
25°	2982	3020	3069
30°	3037	3096	3156
35°	3084	3173	3240
40°	3127	3240	3330
45°	3086	3232	3354
50°	3008	3196	3341
55°	2914	3167	3365
60°	2813	3144	3385
65°	2675	3124	3409
70°	2489	3104	3517
75°	2237	3116	3609
80°	1846	3077	3295
85°	1345	2294	2135

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.9	2.8
10°-20°	590.3	8.2
20°-30°	940.3	13.1
30°-40°	1208.8	16.8
40°-50°	1307.1	18.2
50°-60°	1202.4	16.7
60°-70°	958.6	13.4
70°-80°	609.0	8.5
80°-90°	162.2	2.3
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°	1731.5	24.1
0°-40°	2940.2	41.0
0°-60°	5449.7	75.9
0°-90°	7179.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7179.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2108	2108	2108	2108	2108	
5°	2108	2108	2098	2111	2113	201
15°	2078	2080	2080	2098	2101	587
25°	2008	2016	2034	2057	2067	927
35°	1878	1898	1932	1967	1972	1177
45°	1622	1650	1698	1744	1762	1250
55°	1242	1278	1350	1412	1435	1109
65°	840	884	981	1053	1071	829
75°	430	492	599	679	694	455
85°	87	136	149	149	138	108
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2108.3	2108.3	2108.3	*2108.3*	2108.3
2.5°	*2110.9*	*2110.9*	*2100.6*	*2113.4*	*2113.4*
5°	2108.3	2108.3	2098.1	*2110.9*	2113.4
7.5°	2100.6	2103.2	2095.5	*2108.3*	2110.9
10°	2095.5	2098.1	2092.9	*2105.8*	2108.3
12.5°	2087.8	2090.4	2087.8	*2103.2*	2105.8
15°	2077.6	2080.1	2080.1	*2098.1*	2100.6
17.5°	2059.6	2064.8	2069.9	*2090.4*	2092.9
20°	2044.3	2049.4	2057.1	*2080.1*	2082.7
22.5°	2028.9	2034.0	2044.3	*2072.5*	2075.0
25°	2008.4	2016.1	2034.0	*2057.1*	2067.3
27.5°	1982.8	1998.2	2013.5	*2041.7*	2052.0
30°	1954.6	1970.0	1993.0	*2023.8*	2031.5
32.5°	1923.9	1939.2	1964.9	*1998.2*	2005.8
35°	1877.8	1898.3	1931.6	*1967.4*	1972.5
37.5°	1836.8	1857.3	1893.1	*1931.6*	1939.2
40°	1780.4	1806.0	1844.5	*1880.3*	1895.7
42.5°	1713.8	1739.4	1780.4	*1824.0*	1839.3
45°	1621.6	1649.8	1698.4	*1744.5*	1762.5
47.5°	1531.9	1557.5	1611.3	*1665.1*	1677.9
50°	1437.1	1467.9	1526.8	*1583.2*	1596.0
52.5°	1337.2	1375.7	1439.7	*1498.6*	1519.1
55°	1242.4	1278.3	1350.0	*1411.5*	1434.6
57.5°	1137.4	1181.0	1260.4	*1327.0*	1347.5
60°	1045.2	1083.6	1168.2	*1237.3*	1257.8
62.5°	937.6	983.7	1075.9	*1145.1*	1163.0
65°	840.3	883.8	981.1	*1052.9*	1070.8
67.5°	735.2	786.5	883.8	*958.1*	986.3
70°	632.8	686.5	789.0	*865.9*	894.0
72.5°	530.3	589.2	691.7	*771.1*	807.0
75°	430.4	491.9	599.4	*678.9*	694.2
77.5°	330.5	399.6	502.1	*558.5*	558.5
80°	238.2	307.4	397.1	*412.4*	425.2
82.5°	158.8	222.9	271.5	*286.9*	289.5
85°	87.1	135.8	148.6	*148.6*	138.3
87.5°	33.3	43.5	30.7	*15.4*	10.2
90°	0.0	0.0	0.0	*0.0*	0.0

(END OF REPORT)