

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: P220020

Luminaire Tested: **Z3-WG-2L35-LD5-UNV-14**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35874)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: Z3-WG-2L35-LD5-UNV-14
Description: CLASS Z3 1X4 RECESSED LED LUMIANIRE
WITH A CLEAR SMOOTH ROUND LENS & RECTANGULAR PERF INLAY
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2675.7 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

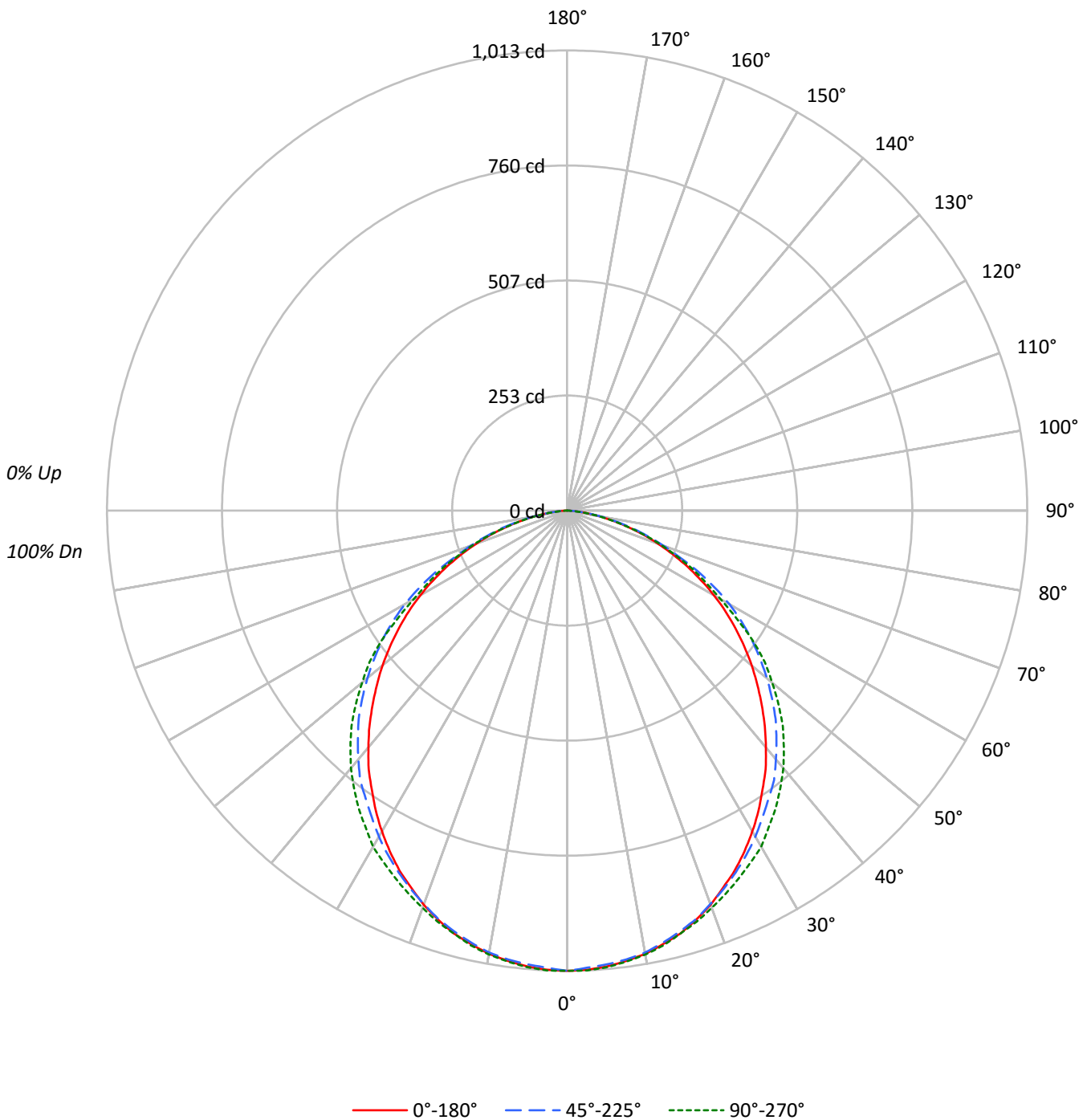
Input Watts (W): 23.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2727	2727	2727
5°	2721	2709	2725
10°	2707	2699	2711
15°	2685	2673	2685
20°	2644	2640	2666
25°	2595	2608	2653
30°	2534	2576	2655
35°	2462	2541	2629
40°	2390	2512	2601
45°	2305	2470	2555
50°	2221	2403	2466
55°	2124	2327	2342
60°	2009	2218	2097
65°	1861	2024	1938
70°	1674	1769	1721
75°	1418	1512	1434
80°	1114	1161	1069
85°	741	695	556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	3.6
10°-20°	271.5	10.1
20°-30°	406.4	15.2
30°-40°	484.9	18.1
40°-50°	495.3	18.5
50°-60°	433.9	16.2
60°-70°	305.0	11.4
70°-80°	153.2	5.7
80°-90°	30.1	1.1
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°	773.4	28.9
0°-40°	1258.4	47.0
0°-60°	2187.5	81.8
0°-90°	2675.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2675.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1013	1013	1013	1013	1013	
5°	1007	1007	1003	1009	1009	96
15°	964	962	959	965	964	271
25°	874	875	878	890	893	402
35°	750	756	773	794	800	469
45°	606	618	649	667	672	468
55°	453	475	496	504	499	405
65°	292	310	318	306	304	289
75°	136	150	145	141	138	147
85°	24	26	22	20	18	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1013.3	1013.3	1013.3	1013.3	1013.3
2.5°	1011.8	1011.8	1007.3	1013.3	1013.3
5°	1007.3	1007.3	1002.8	1008.8	1008.8
7.5°	999.8	999.8	996.8	1001.3	1001.3
10°	990.8	990.8	987.8	992.3	992.3
12.5°	977.3	977.3	974.3	978.8	980.3
15°	963.8	962.3	959.3	965.3	963.8
17.5°	944.3	944.3	942.8	948.8	948.8
20°	923.3	924.8	921.8	929.3	930.8
22.5°	897.9	899.4	900.9	909.8	912.8
25°	873.9	875.4	878.4	890.4	893.4
27.5°	845.4	848.4	854.4	867.9	873.9
30°	815.4	819.9	828.9	846.9	854.4
32.5°	783.9	789.9	800.4	822.9	825.9
35°	749.5	755.5	773.4	794.4	800.4
37.5°	718.0	724.0	748.0	766.0	770.4
40°	680.5	689.5	715.0	734.5	740.5
42.5°	644.5	653.5	682.0	701.5	706.0
45°	605.6	617.6	649.0	667.0	671.5
47.5°	568.1	581.6	611.6	628.0	631.0
50°	530.6	545.6	574.1	590.6	589.1
52.5°	491.6	508.1	535.1	548.6	548.6
55°	452.7	475.2	496.1	503.6	499.1
57.5°	413.7	433.2	455.7	455.7	442.2
60°	373.2	392.7	412.2	400.2	389.7
62.5°	332.8	352.2	365.7	347.8	344.8
65°	292.3	310.3	317.8	305.8	304.3
67.5°	251.8	269.8	266.8	265.3	259.3
70°	212.8	229.3	224.8	221.8	218.8
72.5°	175.4	190.4	184.4	179.9	178.4
75°	136.4	149.9	145.4	140.9	137.9
77.5°	101.9	110.9	109.4	104.9	101.9
80°	71.9	77.9	74.9	71.9	69.0
82.5°	43.5	49.5	46.5	42.0	40.5
85°	24.0	25.5	22.5	19.5	18.0
87.5°	9.0	7.5	6.0	6.0	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)