

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: PORTFOLIO

Report Number: P247845

Luminaire Tested: **LD8B175D010 ER8B175835 8LBMOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-90)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175835 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18742.0 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

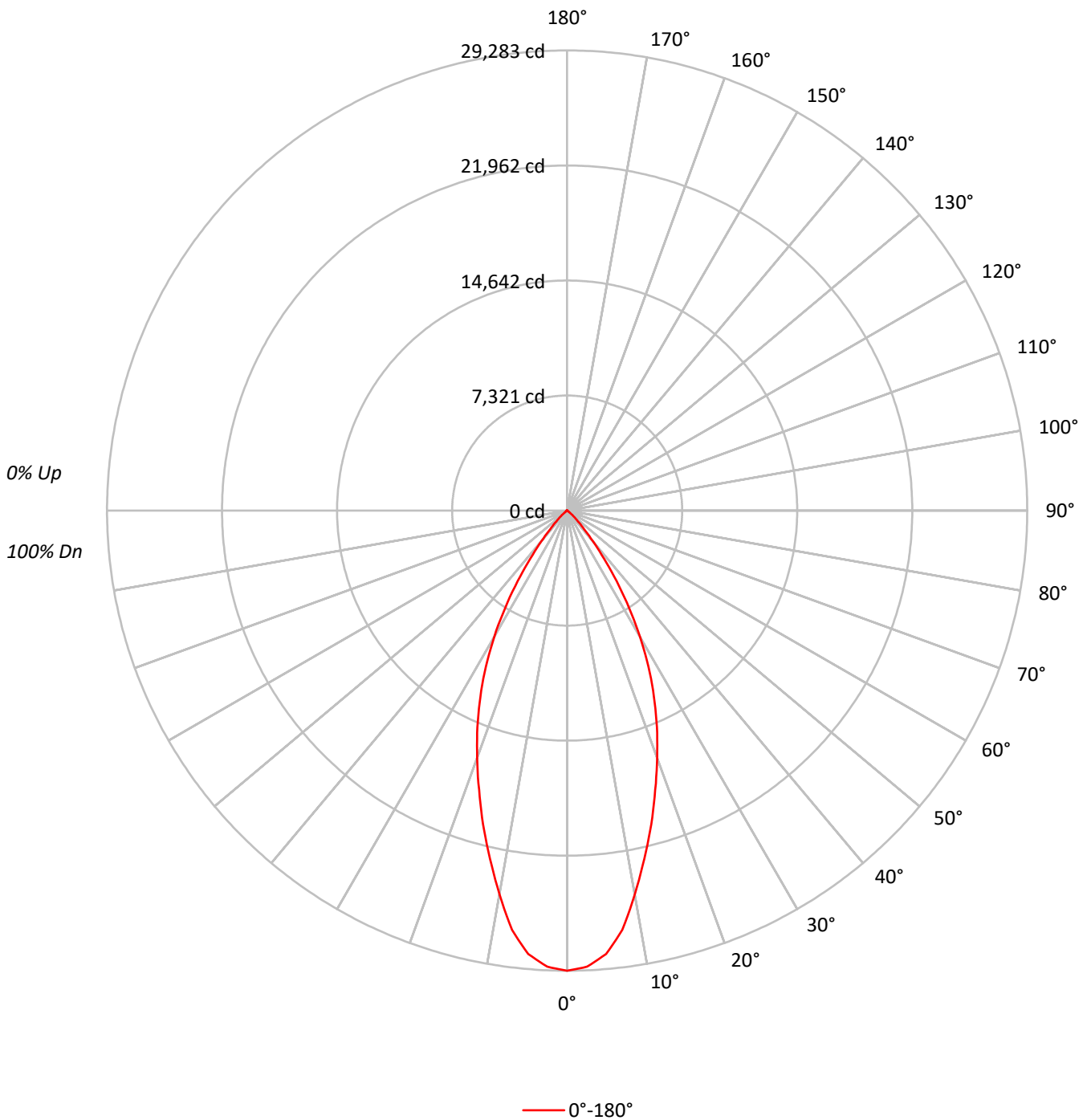
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	91	86	82	97	90	86	82	88	84	81		86	83	80		84	81	79	78
5	94	86	81	77	92	85	80	76	83	79	76		82	78	75		80	77	74	73
6	90	81	76	72	88	80	75	71	79	74	71		78	73	70		76	73	70	68
7	86	77	71	67	84	76	71	67	75	70	67		74	69	66		73	69	66	65
8	82	73	67	63	80	72	67	63	71	66	63		70	66	62		69	65	62	61
9	78	69	63	60	77	68	63	59	68	63	59		67	62	59		66	62	59	58
10	75	66	60	56	74	65	60	56	64	59	56		64	59	56		63	59	56	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	902992
5°	877085
10°	776222
15°	659766
20°	549328
25°	444256
30°	330167
35°	206087
40°	101484
45°	42933
50°	15543
55°	4796
60°	2578
65°	1073
70°	1118
75°	274
80°	408
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2591.5	13.8
10°-20°	5748.4	30.7
20°-30°	5938.2	31.7
30°-40°	3461.8	18.5
40°-50°	867.5	4.6
50°-60°	105.1	0.6
60°-70°	22.0	0.1
70°-80°	2.8	0.0
80°-90°	4.6	0.0
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°	14278.1	76.2
0°-40°	17739.9	94.7
0°-60°	18712.6	99.8
0°-90°	18742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18742.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29283	
5°	28335	###
15°	20667	5748
25°	13057	5938
35°	5475	3462
45°	984	868
55°	89	105
65°	15	22
75°	2	3
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	29283.4
2.5°	29056.5
5°	28335.0
7.5°	26914.7
10°	24789.9
12.5°	22685.4
15°	20666.7
17.5°	18641.3
20°	16740.0
22.5°	14913.2
25°	13057.1
27.5°	11211.2
30°	9272.6
32.5°	7360.1
35°	5474.6
37.5°	3846.6
40°	2521.1
42.5°	1588.5
45°	984.5
47.5°	600.6
50°	324.0
52.5°	158.1
55°	89.2
57.5°	48.5
60°	41.8
62.5°	29.4
65°	14.7
67.5°	18.1
70°	12.4
72.5°	0.0
75°	2.3
77.5°	1.1
80°	2.3
82.5°	3.4
85°	0.0
87.5°	12.4
90°	0.0

(END OF REPORT)