

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: P245746

Luminaire Tested: **LSR8B40D010 EC8B40827 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B40D010 EC8B40827 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4089.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

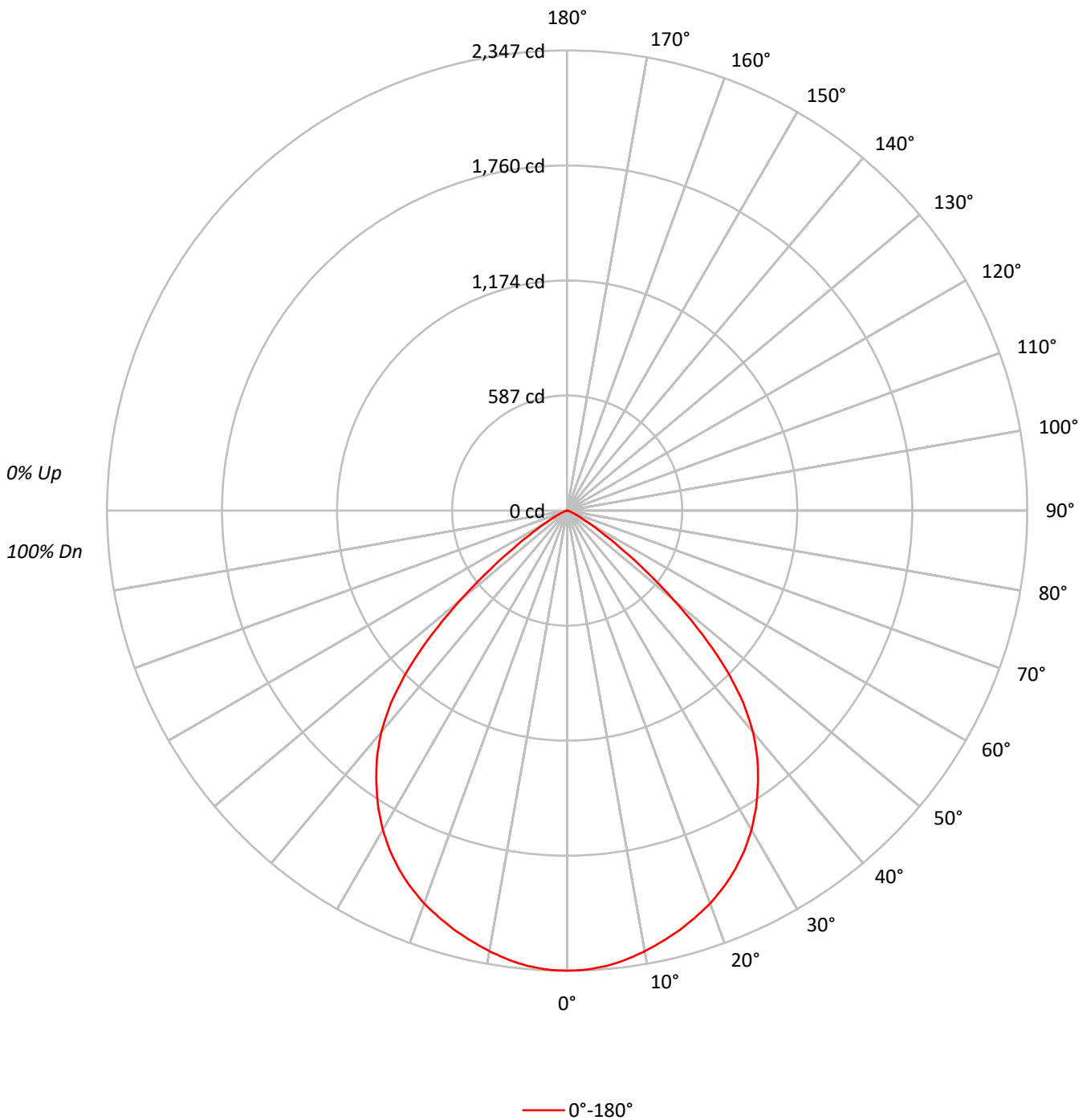
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50		59	54	50		58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72376
5°	72157
10°	71445
15°	70712
20°	69972
25°	68824
30°	66944
35°	63893
40°	59407
45°	50159
50°	34056
55°	17790
60°	7980
65°	3896
70°	1560
75°	953
80°	710
85°	460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.9	5.4
10°-20°	624.8	15.3
20°-30°	930.0	22.7
30°-40°	1057.2	25.9
40°-50°	864.5	21.1
50°-60°	322.3	7.9
60°-70°	58.9	1.4
70°-80°	9.1	0.2
80°-90°	1.3	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°	1775.7	43.4
0°-40°	2832.9	69.3
0°-60°	4019.7	98.3
0°-90°	4089.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4089.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2347	
5°	2331	221
15°	2215	625
25°	2023	930
35°	1697	1057
45°	1150	865
55°	331	322
65°	53	59
75°	8	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2347.1
2.5°	2343.1
5°	2331.1
7.5°	2309.7
10°	2281.7
12.5°	2249.7
15°	2215.0
17.5°	2175.0
20°	2132.3
22.5°	2081.5
25°	2022.8
27.5°	1956.1
30°	1880.1
32.5°	1793.3
35°	1697.3
37.5°	1594.5
40°	1475.8
42.5°	1329.0
45°	1150.2
47.5°	935.4
50°	709.9
52.5°	500.4
55°	330.9
57.5°	208.2
60°	129.4
62.5°	82.7
65°	53.4
67.5°	30.7
70°	17.3
72.5°	10.7
75°	8.0
77.5°	5.3
80°	4.0
82.5°	1.3
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)